

A **Complete Guide** to ...

# DAILY NUMBER REVISION

A Skills Mastery Programme

Book 7 - **\*Revised Edition\***

(Suggested use at Year 8)

83	Date:	Time taken:	Score:
Add these <b>positive</b> and <b>negative</b> numbers			
1. $650 + 672 =$	5. $7403 \times 59$	6. $7502 \times 37$	
2. $904 + 836 =$	9. $4 + 9 =$	10. $8 + 3 =$	13. $-8 + 9 =$
3. $587 - 249 =$	11. $-9 + 7 =$	14. $5 + -4 =$	15. $6 + 7 =$
4. $928 - 698 =$	7. $7 \overline{)1995}$	8. $5 \overline{)3355}$	12. $6 + -8 =$
			16. $-5 + -2 =$

100	Date:	Time taken:	Score:
Finding a <b>percentage</b> of a quantity. %			
1. $978 + 216 =$	5. $5904 \times 38$	6. $9035 \times 69$	9. 50% of 42 =
2. $283 + 388 =$	10. 10% of 15 =	13. 25% of 24 =	14. 33% of 36 =
3. $967 - 477 =$	11. 10% of 347 =	15. 50% of 160 =	
4. $833 - 515 =$	7. $3 \overline{)2508}$	8. $8 \overline{)5752}$	12. 33% of 120 =
			16. 25% of 280 =

This is ONE of a series of 7 resources that have been compiled using the **Achievement Objectives** from the appropriate level of the **NUMBER STRAND** as stated in the document ....

## *Mathematics in the New Zealand Curriculum*

and information from the various resources of the ...

## *Numeracy Professional Development Project*

### **ASSESSMENT ACTIVITIES INCLUDED**

These resources are supplied as Photocopy Masters



Author: A. W. Stark



A Complete Guide to ...

# DAILY NUMBER REVISION

A Skills Mastery Programme

**Book 7**

(Year 8)

This resource is one of a series of 7 resources covering the  
**NUMBER STRAND ACHIEVEMENT OBJECTIVES**

for Levels 1 to 4

plus **NUMERACY SKILLS** involving ...

$4 + 8 = 12$

$12 - 8 = 4$

Addition

Subtraction

Multiplication

Division

... including **ASSESSMENT ACTIVITIES**

$12 \div 4 = 3$

$3 \times 4 = 12$

Author: A. W. Stark



L4N2

Author: A. W. Stark

Copyright ©<sub>2006</sub> **AWS Publications Ltd**

First Published September 2002

REVISED EDITION APRIL 2006

Formatting and publishing by  
Andrew Stark



(formerly **AWS Teacher Resources**)

PO Box 21304  
Edgeware  
CHRISTCHURCH 8143  
NEW ZEALAND

☎ (03) 338 0516 or ☎ (03) 338 0514

This resource unit has been supplied on the understanding that copies of any part of this publication will not be given or sold to teachers or students from other schools or institutions.

This resource unit may be used as a master, and therefore can be photocopied, only by the school or institution that has purchased this resource unit.



This resource ...

\* A Complete Guide to  
**Daily Number Revision**  
**Book 7 (Year 8)**

is one of a series of **SEVEN** resources covering the **NUMBER STRAND Achievement Objectives** as outlined in the *NZ Mathematics Curriculum*, plus the **Numeracy Facts** of addition, subtraction, multiplication and division.

The **Number Strand Achievement Objectives** and the **Numeracy Facts** are the building blocks for success in all other strands of the Mathematics Curriculum. These resources have been designed to systematically cover these facts and provide teachers / pupils with a methodical way of introducing, developing and revising the **Number Strand** and **Numeracy Facts** on a daily basis.

**Resources in this series:**

A Complete Guide to **Daily Number Revision**  
**Book 1 (Years 1 / 2)**

**Resource Code:**  
L1N1

A Complete Guide to **Daily Number Revision**  
**Book 2 (Year 3)**

**Resource Code:**  
L2N1

A Complete Guide to **Daily Number Revision**  
**Book 3 (Year 4)**

**Resource Code:**  
L2N2

A Complete Guide to **Daily Number Revision**  
**Book 4 (Year 5)**

**Resource Code:**  
L3N1

A Complete Guide to **Daily Number Revision**  
**Book 5 (Year 6)**

**Resource Code:**  
L3N2

A Complete Guide to **Daily Number Revision**  
**Book 6 (Year 7)**

**Resource Code:**  
L4N1

\* A Complete Guide to **Daily Number Revision**  
**Book 7 (Year 8)**

**Resource Code:**  
L4N2

For more information about these and other resources, please contact ...



☎ (03) 379 0516

📠 (03) 379 0619

## Why use this resource?

The **aim** of this resource is to provide a **systematic way** in which the **NUMBER STRAND Achievement Objectives, plus the Basic Numeracy Facts** can be introduced and revised so that pupils will be able to recall these facts with **accuracy** and **speed**. Knowledge of these facts forms the foundation for a pupil's confidence and success in all areas of mathematics.

On each A4 sized page there are 5 sets of questions involving **NUMBER STRAND Achievement Objectives, plus the Basic Numeracy Facts** presented in various ways. It is intended that **one set would be used each day for 30 weeks of the year**, at the beginning of 'Maths' time. This would establish a routine of working on numeracy / number strand facts every day in a structured way, plus act as a focusing activity to settle pupils to the mathematics tasks to come.

If used in this way, it is important that pupils get **immediate feed-back** by way of having the questions marked either by a classmate or the teacher.

There are several **Parallel Assessment Activity Sheets** included that can be used as **pre or post assessments** to determine a pupil's prior numeracy / number strand skill level or to show improvement that has been made.

Along with the Assessment Sheets, there are **Recording & Reporting Sheets** that can be used to provide pupils and parents / caregivers with information about a pupil's numeracy skill level, showing strength areas or areas where improvement is needed. These Recording Sheets can be placed in a pupil's Cumulative School Records.

## How do I find my way around this resource?

**This resource has been divided into SECTIONS as listed below.**

Although there are no page numbers, the sections follow in sequential order as listed.

Section	Information
1	Detailed information about ALL the resources in this series and what each resource introduces / covers
2	A copy of the Number Strand Achievement Objectives at the appropriate level for each resource, as stated in the NZ <i>Mathematics Curriculum</i> document
3	Examples of the Daily Number Activity Tasks and when the task is first introduced
4	30 Activity Sheets each containing 5 sets of Daily Number Revision Tasks - a total of 150 tasks
5	Answers for the Daily Number Revision Tasks
6	<b>Assessment and Reporting Ideas / Time Taken Record Sheet &amp; Pupil Progress Record Sheet / Merit Award &amp; Certificate of Achievement Masters</b>
7	Four sets of Parallel Assessment Sheets
8	Answers for the Four sets of Parallel Assessment Sheets

## Information about all 7 resources in the ...

### 'A Complete Guide to Daily Number Revision' series:

**Note:** There is no reference to 'Year Groups / Levels' on any of the activity sheets, therefore each book can be used at the level most appropriate to a pupil's numeracy skill level. At the top of each set of questions there is a book reference to assist the teacher. *Example:* L1N1 = Book 1, L2N1 = Book 2 etc.

Each A4 sized activity sheet can be photocopied and then cut up into 5 sets of questions, one set to be used each day for a week. A weekly bonus activity is included in Books 2 to 7.

### Numeracy / Number Strand activities in Book 1 (Years 1 / 2)

**Book 1 (L1N1)** contains 30 A4 sized activity sheets. On each activity sheet there are 5 sets of 9 to 12 questions. The following activities are included in this resource.

**Numeracy Facts:**

- Addition & Subtraction Facts: Sums up to 10 & 11 to 18

**Number Strand:**

- Understanding the words **before, after, between, below, above, first, second, third, last, left and right.**
- **Counting** in multiples of 1, 2, 5 & 10.
- **Counting** objects up to 20.
- **Forming sets** of objects up to 20.
- **Reading and writing** 1 & 2-digit numbers in words and as numerals.
- **Ordering** whole numbers.
- Introducing 1's & 10's **place value** using a simple abacus.
- **Renaming** 2-digit numbers as 10's & 1's
- **Finding**  $\frac{1}{2}$  and  $\frac{1}{4}$  of a given shape or group of shapes.

3	Date:	Time taken:	Score:
As you count in 1's, what number comes			
1. $1 + 3 =$ _____	5. $5 - 2 =$ _____	9. _____, 3	10. _____, 9
2. $0 + 3 =$ _____	6. $6 - 1 =$ _____	11. _____, 15	
3. $4 + 1 =$ _____	7. $4 - 3 =$ _____	As you count in 1's, what number comes	
4. $2 + 4 =$ _____	8. $4 - 4 =$ _____	12. 5, _____	13. 12, _____
		14. 24, _____	

108	Date:	Time taken:	Score:
Write these numbers in order of _____ to _____			
1. $9 + 4 =$ _____	5. $5 +$ _____ = 12	67, 26, 18, 62, 85, 99, 31	
2. $6 + 5 =$ _____	6. $9 +$ _____ = 15		
3. $15 - 7 =$ _____	7. $11 -$ _____ = 8	89, 46, 30, 21, 75, 44, 68	
4. $10 - 4 =$ _____	8. $13 -$ _____ = 6		

### Numeracy / Number Strand activities in Book 2 (Year 3)

**Book 2 (L2N1)** contains 30 A4 sized activity sheets. On each activity sheet there are 5 sets of 12 to 24 questions. The following activities are included in this resource.

**Numeracy Facts:**

- **Revising** addition & subtraction facts for **sums up to 18.**
- **Adding** 2-digit numbers **involving no carrying / carrying.**
- **Subtracting** 2-digit numbers with **no renaming.**
- Introducing **multiplication & division facts** for **2x, 5x & 10x**

**Number Strand:**

- Revising the words **before, after, between, above, below, first, second, third, last, left and right.**
- **Counting** in multiples of 2, 5 & 10.
- **Counting** objects up to 20.
- **Forming sets** of objects up to 20.
- **Reading and writing** 2-digit numbers in words and as numerals.
- **Ordering** whole numbers.
- **Rounding** numbers to the nearest **10 or 100.**
- **Adding, subtracting, multiplying and dividing** money.
- **Word problems** involving all four numeracy skills.
- Understanding **place value** in money totals.
- 1's, 10's & 100's **place value** in 3-digit numbers.
- Understanding & working with **fractions.**

29	Date:	Time taken:	Score:
these numbers within the table below.			
1. $8 + 3 =$ _____	7. $3 \times 5 =$ _____	13. twenty-seven	14. seventy-three
2. $9 + 6 =$ _____	8. $5 \times 1 =$ _____	15. sixty-four	16. thirty-two
3. $4 + 10 =$ _____	9. $6 \times 5 =$ _____	1 5 2 9 2 7 3 0 6 4 9 8 3 2	
4. $11 - 4 =$ _____	10. $45 \div 5 =$ _____	these number words as numbers.	
5. $14 - 4 =$ _____	11. $10 \div 5 =$ _____	17. fifty-nine	_____
6. $16 - 9 =$ _____	12. $20 \div 5 =$ _____	18. thirty-five	_____

95	Date:	Time taken:	Score:
On this abacus, how many _____ and _____ are shown and what number does it make?			
1. $30 + 20 =$ _____	7. $5 \times 6 =$ _____	13. 100's	_____
2. $14 + 51 =$ _____	8. $7 \times 10 =$ _____	14. 10's	_____
3. $21 + 73 =$ _____	9. $2 \times 8 =$ _____	15. 1's	_____
4. $86 - 54 =$ _____	10. $20 \div 5 =$ _____	16. number	_____
5. $98 - 62 =$ _____	11. $100 \div 10 =$ _____	17. How many _____ in 720?	_____
6. $87 - 47 =$ _____	12. $6 \div 2 =$ _____	18. How many _____ in 549?	_____



## Numeracy / Number Strand activities in Book 3 (Year 4)

**Book 3 (L2N2)** contains 30 A4 sized activity sheets. On each activity sheet there are 5 sets of 12 to 24 questions. The following activities are included in this resource.

☑ **Numeracy Facts:**

- Adding 2-digit numbers involving no carrying / carrying.
- Subtracting 2-digit numbers with no renaming.
- Revising multiplication & division facts for 2x, 5x & 10x.
- Introducing multiplication & division facts for 3x & 4x.

☑ **Number Strand:**

- Counting in multiples of 3, 4, 6 & 7.
- Counting objects up to 20.
- Forming sets of objects up to 20.
- Reading and writing 2-digit numbers in words and as numerals.
- Ordering whole numbers.
- Rounding numbers to the nearest 10, \$10, 100 or \$100.
- Adding, subtracting, multiplying and dividing money.
- Word problems involving all four numeracy skills.
- Understanding place value in money totals.
- 1's, 10's & 100's place value in 3-digit numbers.
- Understanding & working with fractions.

49	Date:	Time taken:	Score:
1. $26 + 3 =$	7. $8 \times 4 =$	What is the value of the digit in each money total? Example: In \$45 the 2 = \$20.	
2. $52 + 6 =$	8. $10 \times 7 =$		
3. $62 + 34 =$	9. $6 \times 3 =$	13. \$5	18. \$14
4. $54 - 53 =$	10. $8 \div 4 =$	14. \$4	19. \$26
5. $79 - 16 =$	11. $10 - 10 =$	15. \$11	20. \$60
6. $87 - 20 =$	12. $30 \div 3 =$	16. \$60	21. \$86
		17. \$39	22. \$48

87	Date:	Time taken:	Score:
1. $64 + 54 =$	7. $5 \times 5 =$	Round these numbers to the	
2. $95 + 64 =$	8. $3 \times 6 =$	13. 23	14. 62
3. $73 + 84 =$	9. $3 \times 4 =$	16. 168	17. 495
4. $84 - 11 =$	10. $40 \div 5 =$	Round these numbers to the	
5. $79 - 29 =$	11. $27 \div 3 =$	19. 715	20. 463
6. $68 - 15 =$	12. $28 \div 5 =$	22. 335	23. 682
		24. 274	

## Numeracy / Number Strand activities in Book 4 (Year 5)

**Book 4 (L3N1)** contains 30 A4 sized activity sheets. On each activity sheet there are 5 sets of 12 to 24 questions. The following activities are included in this resource.

☑ **Numeracy Facts:**

- Adding 2 or 3-digit numbers involving no carrying / carrying.
- Subtracting 2 or 3-digit numbers with no renaming / renaming.
- Revising multiplication & division facts for 2x, 3x, 4x, 5x & 10x.
- Introducing multiplication & division facts for 6x & 7x.

☑ **Number Strand:**

- Counting in multiples of 6, 7, 8 & 9.
- Reading and writing 2 or 3-digit numbers as words and numerals.
- Reading and writing decimal numbers in words and as numerals.
- Ordering whole numbers and decimals.
- Rounding numbers to the nearest \$1, 10, \$10, 100 or \$100.
- Adding, subtracting, multiplying and dividing money.
- Word problems involving all four numeracy skills.
- Place value in money totals.
- 1's, 10's & 100's place value in 3-digit numbers.
- $\frac{1}{10}$ 's,  $\frac{1}{100}$ 's, 1's, 10's & 100's place value in decimal numbers.
- Understanding & working with fractions.

39	Date:	Time taken:	Score:
1. $26 + 3 =$	7. $8 \times 4 =$	Find each of these	
2. $52 + 6 =$	8. $10 \times 7 =$	13. $\frac{1}{2}$ of \$40 =	14. $\frac{1}{4}$ of \$20 =
3. $62 + 34 =$	9. $6 \times 3 =$	15. $\frac{1}{3}$ of \$36 =	16. $\frac{1}{5}$ of \$50 =
4. $54 - 53 =$	10. $8 \div 4 =$	17. If \$24 is shared between two people, how much does each person get?	
5. $79 - 16 =$	11. $10 \div 10 =$		
6. $87 - 20 =$	12. $30 \div 3 =$		

55	Date:	Time taken:	Score:
1. $76 + 56 =$	7. $5 \times 4 =$	13. Add up Jan's	
2. $57 + 93 =$	8. $7 \times 10 =$	\$4.95	
3. $85 + 49 =$	9. $6 \times 6 =$	\$1.53	14. If Jan paid for her groceries with a \$20.00 note, how much change would she get back?
4. $74 - 47 =$	10. $16 \div 4 =$	\$3.65	
5. $83 - 26 =$	11. $49 \div 7 =$	\$2.65	
6. $37 - 29 =$	12. $6 \div 6 =$	+ \$0.85	\$20.00

## Numeracy / Number Strand activities in Book 5 (Year 6)

**Book 5 (L3N2)** contains 30 A4 sized activity sheets. On each activity sheet there are 5 sets of 12 to 24 questions. The following activities are included in this resource.

**Numeracy Facts:**

- **Adding** 2 or 3-digit numbers **involving no carrying / carrying.**
- **Subtracting** 2 or 3-digit numbers with **no renaming / renaming.**
- Revising **multiplication & division facts** for **2x, 3x, 4x, 5x, 6x, 7x & 10x.**
- Introducing **multiplication & division facts** for **8x & 9x.**

**Number Strand:**

- **Counting** in multiples of **8 & 9.**
- Finding **multiples** and **factors** for a given number.
- **Reading** and **writing** 2 or 3-digit numbers as words and numerals.
- **Reading** and **writing** decimal numbers in words and as numerals.
- **Ordering** whole numbers and decimals.
- **Rounding** numbers to the nearest **\$1, 10, \$10, 100 or \$100.**
- Adding, subtracting, multiplying and dividing money.
- Word problems involving **all numeracy skills.**
- **Place value** in money totals.
- 1's, 10's & 100's **place value** in 3-digit numbers.
- $\frac{1}{10}$ 's,  $\frac{1}{100}$ 's, 1's, 10's & 100's **place value** in decimal numbers.
- Understanding & working with **fractions.**
- Matching **equivalent** fractions.

76	Date:	Time taken:	Score:
1. $251 + 313 =$	7.	$6 \times 5 =$	Write these number words as
2. $138 + 552 =$	8.	$6 \times 9 =$	13. four point nine zero three
3. $596 + 336 =$	9.	$3 \times 9 =$	14. one hundred and eighty-five point six
4. $691 - 133 =$	10.	$2 \div 6 =$	Write these decimal numbers as
5. $765 - 180 =$	11.	$36 \div 9 =$	15. 12.76
6. $942 - 536 =$	12.	$9 \div 3 =$	16. 9.025
			17. 348.1

112	Date:	Time taken:	Score:
1. $975 + 647 =$	7.	$3 \times 10 =$	What is the _____ of the _____ digit in each
2. $328 + 885 =$	8.	$6 \times 6 =$	number and what does it mean?
3. $564 + 976 =$	9.	$5 \times 5 =$	Example: In 4. 5 the place value is 10's and it means $\frac{5}{10}$ .
4. $838 - 565 =$	10.	$3 \div 3 =$	13. 3. _____ 17. 62.2 2 _____
5. $482 - 444 =$	11.	$30 \div 6 =$	14. .75 _____ 18. 6 0.9 _____
6. $807 - 171 =$	12.	$18 \div 6 =$	15. 7.0 _____ 19. 3.007 _____
			16. 2. 3 _____ 20. 04.21 _____

## Numeracy / Number Strand activities in Books 6 & 7 (Year 7 & 8)

**Books 6 (L4N1) & 7 (L4N2)** each contain 30 A4 sized activity sheets. On each activity sheet there are 5 sets of 11 to 20 questions. The following activities are included in these resources.

**Numeracy Facts:**

- **Adding** 2-digit numbers **involving no carrying / carrying.**
- **Subtracting** 2 or 3-digit numbers with **no renaming / renaming.**
- Revising **ALL multiplication & division facts** from **2x to 10x.**

**Number Strand:**

- Finding **prime numbers, multiples** and **factors** for a given number.
- Finding **squares** and **square roots.**
- **Reading** and **writing** 2 or 3-digit whole numbers and decimal numbers in words and as numerals.
- **Ordering** whole numbers and decimals.
- **Rounding** numbers to the nearest **\$1, 10, \$10, 100 or \$100.**
- **Rounding** and finding **estimated** answers.
- Adding, subtracting, multiplying and dividing money.
- Word problems involving all **four numeracy skills.**
- **Place value** in money totals.
- 1's, 10's & 100's **place value** in 3-digit numbers.
- $\frac{1}{10}$ 's,  $\frac{1}{100}$ 's, 1's, 10's & 100's **place value** in decimal numbers.
- Understanding & working with **fractions.**
- Matching **equivalent** fractions.
- Calculating **equivalent** fractions.
- Calculating **temperature** changes.
- **Adding** and **subtracting** simple **integers.**
- Converting between **fractions, decimals** and **percentages.**

65	Date:	Time taken:	Score:
1. $142 + 639 =$	5. $3986 \times 65$	6. $4015 \times 78$	Order of operations. <b>BEDMAS</b>
2. $278 + 483 =$		9. $6 \times 4 + 17 =$	13. $48 \div 4 - 9 =$
3. $680 - 308 =$		10. $40 \div 8 + 26 =$	14. $6 \times 9 - 37 =$
4. $644 - 384 =$	7. $2 \overline{)1158}$	8. $9 \overline{)2637}$	11. $15 + 36 \div 9 =$
			15. $24 + 10 \times 3 =$
			12. $70 - 7 \times 7 =$
			16. $74 - 56 \div 7 =$

94	Date:	Time taken:	Score:
1. $164 + 640 =$	5. $3896 \times 92$	6. $4510 \times 63$	Convert these _____ to _____
2. $662 + 866 =$		9. $\frac{1}{2} =$	13. $\frac{1}{4} =$
3. $408 - 367 =$		10. $\frac{1}{3} =$	14. $\frac{1}{5} =$
4. $780 - 622 =$	7. $7 \overline{)2702}$	8. $5 \overline{)4585}$	11. $\frac{2}{3} =$
			15. $\frac{3}{4} =$
			12. $\frac{2}{5} =$
			16. $\frac{1}{10} =$

0.2	0.1
0.5	0.33
0.75	0.25
0.66	0.4

# Information about this resource

The **aim** of this resource is to provide a systematic way in which the basic numeracy facts and **NUMBER STRAND Achievement Objectives** can be introduced and revised so that pupils will be able to recall these facts with speed and accuracy. Knowledge of these facts forms the foundation for a pupil's confidence and success in all areas of mathematics.

Below are the **Number Strand Achievement Objectives** for Level 4, as written in the *Mathematics in the New Zealand Curriculum* document.

## Mathematics in the New Zealand **CURRICULUM**

### Level 4

**Exploring number**  
*Within a range of meaningful contexts, students should be able to:*

- **N1** explain the meaning of negative numbers;
- **N2** explain the meaning and evaluate powers of whole numbers;
- **N3** find a fraction equivalent to one given;
- **N4** express a fraction as a decimal, and vice versa;
- **N5** express a decimal as a percentage, and vice versa;
- **N6** express quantities as fractions or percentages of a whole.

**Exploring computation and estimation**  
*Within a range of meaningful contexts, students should be able to:*

- **N7** make sensible estimates and check the reasonableness of answers;
- **N8** write and solve problems involving decimal multiplication and division;
- **N9** find a given fraction or percentage of a quantity;
- **N10** explain satisfactory algorithms for addition, subtraction, and multiplication;
- **N11** demonstrate knowledge of the conventions for order of operations.

On the following page, a table indicates which **Number Strand Objectives** have been covered.

Note that not all Level 4 **Number Strand Objectives** can be covered successfully in this type of resource.



# Daily Number Activity Tasks:

This resource contains **30 A4 sized Activity Sheets**, each containing **5 sets of DAILY Activity Sheets**. It is intended that one set of questions will be used each day of the week, during any 30 weeks of the school year. Various numeracy skills are introduced or revised, plus a **NUMBER Activity**. The **Number Strand Achievement Objective** being covered by the Number Activity is indicated in the table below.

The table below has been prepared so that you can see at a glance when a **NEW Daily Activity** is first introduced to ensure that you have the opportunity to cover the activity in class before the activity is given out.

The **Number Objectives** of N5 and N8 are covered mainly in **Numeracy Skills** questions 1 to 12 on each Daily Activity Sheet.

**Note:**  
The **DAILY ACTIVITY Number** refers to the number at the top left of each daily activity.

**94** Name: \_\_\_\_\_

Convert these fractions to decimals.  
Example:  $\frac{1}{2} = 0.5$

1.  $164 + 640 =$  \_\_\_\_\_ 5.  $3896 \times 92$  6.  $4510 \times 63$  9.  $\frac{1}{2} =$  \_\_\_\_\_ 13.  $\frac{1}{4} =$  \_\_\_\_\_




2.  $662 + 866 =$  \_\_\_\_\_ 10.  $\frac{1}{3} =$  \_\_\_\_\_ 14.  $\frac{1}{5} =$  \_\_\_\_\_





3.  $408 + 367 =$  \_\_\_\_\_ 11.  $\frac{2}{3} =$  \_\_\_\_\_ 15.  $\frac{3}{4} =$  \_\_\_\_\_

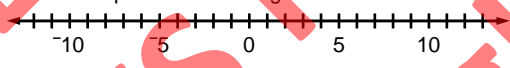
4.  $780 + 622 =$  \_\_\_\_\_ 7.  $7 \overline{)2702}$  8.  $5 \overline{)4885}$  12.  $\frac{2}{5} =$  \_\_\_\_\_ 16.  $\frac{1}{10} =$  \_\_\_\_\_

Answers:  
0.2, 0.1  
0.5, 0.33  
0.75, 0.25  
0.66, 0.4

Copyright © 2006 AWS Publications Ltd

Activity Being Introduced	First Introduced in DAILY ACTIVITY Number ...	Level 4 Number Strand Objective covered
<p><b>Reading and writing 3-digit numbers</b></p> <p>Example: Write each 3-digit number as number words. <b>602 = six hundred &amp; two, ... etc.</b></p> <p>Write these number words as 3-digit numbers. two hundred &amp; eighteen = 218, ... etc.</p>	1	N1 (Level 3)
<p><b>Multiplying and dividing decimals</b></p> <p>Example: <math>349.2 \times 4.7</math> <math>0.09 \overline{)4.185}</math></p>	2	N8
<p><b>Word Problems involving Numeracy Skills</b></p> <p>Example: How much would 2 kilograms of meat at \$11.75 per kilogram cost?</p> 	3	N8
<p><b>Shading in a fraction of a shape</b></p> <p>Example: Shade in part of each diagram to show you understand these fractions.</p> <p><math>\frac{3}{4}</math>  <math>\frac{2}{3}</math> </p>	4	N7 (Level 3)
<p><b>Special numbers</b></p> <p>Example: List the <b>prime numbers</b> between 9 and 20. List the first 5 <b>multiples</b> of 9. List the <b>factors</b> of 24.</p>	5	N5 (Level 3)
<p><b>Ordering decimal numbers</b></p> <p>Example: Order these decimals from <b>smallest to largest</b>. 3.6, 4.9, 9.4, 5.7, 1.8, 2.7, 6.3</p>	6	N3 (Level 3)

Activity Being Introduced	First Introduced in DAILY ACTIVITY Number ...	Level 4 Number Strand Objective covered		
<b>Estimating</b> answers by rounding to the nearest 10, 100 or 1000 <i>Example:</i> $1867 + 89 = \underline{\quad} + \underline{\quad} = \underline{\quad}$ $2495 \times 23 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$	7	N7		
Introducing <b>negative numbers</b> by calculating temperature changes <i>Example:</i> <b>Calculate</b> the change in temperature. Starting temperature $9^{\circ}\text{C}$ , <b>drops</b> $8^{\circ}\text{C}$ . Starting temperature $-7^{\circ}\text{C}$ , <b>rises</b> $5^{\circ}\text{C}$ . 	8	N1		
Creating <b>equivalent</b> fractions <i>Example:</i> <b>Complete</b> the calculation to create <b>equivalent</b> fractions. $\frac{1}{2} \times \frac{8}{8} = \underline{\quad}$ $\frac{1}{4} \times \frac{6}{6} = \underline{\quad}$	9	N3		
Understanding <b>place value</b> in decimal numbers <i>Example:</i> What is the <b>place value</b> of the <b>BOLD</b> digit in each number and what does it mean? In 14.25 the place value is $\frac{1}{10}$ 's and it means $2 \frac{1}{10}$ 's. In 1.12 the place value is $\frac{1}{100}$ 's and it means $2 \frac{1}{100}$ 's.	10	N2 (Level 3)		
<b>Squares and square roots</b> <i>Example:</i> <b>Calculate</b> the <b>squares</b> of these numbers. $5^2$ , $6^2$ , $9^2$ <b>Calculate</b> the <b>square root</b> of these numbers. $\sqrt{25}$ , $\sqrt{81}$ , $\sqrt{144}$	11	N2		
<b>Rounding</b> whole numbers to the nearest 10, 100 or 1000 <i>Example:</i> <b>Round</b> these numbers to the nearest 100. 652, 486, 904, 750	12	N4 (Level 3)		
Word problems involving <b>Numeracy Skills</b> <i>Example:</i> <b>Add</b> up a shopping list, then <b>calculate</b> the change. 	14	N6 (Level 3)		
What fraction is shaded? <i>Example:</i> What <b>fraction</b> of each group of shapes is shaded? 	31	N7 (Level 3)		
<b>Matching equivalent fractions</b> <i>Example:</i> <b>Match</b> these <b>equivalent</b> fractions. <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>Answers:</td> </tr> <tr> <td><math>\frac{6}{24}</math>   <math>\frac{5}{10}</math></td> </tr> </table>	Answers:	$\frac{6}{24}$ $\frac{5}{10}$	37	N3
Answers:				
$\frac{6}{24}$ $\frac{5}{10}$				
<b>Multiplying and dividing</b> by 10, 100 or 1000 <i>Example:</i> $5.37 \times 10 = \underline{\quad}$ $732.4 \div 100 = \underline{\quad}$	47	N2		
<b>Order of operations</b> <i>Example:</i> $6 \times 4 - 17 = \underline{\quad}$ $40 \div 8 + 26 = \underline{\quad}$ 	49	N2		

Activity Being Introduced	First Introduced in DAILY ACTIVITY Number ...	Level 4 Number Strand Objective covered		
<b>Converting decimals to percentages</b> <i>Example:</i> 0.25 = _____ 0.5 = _____ <table border="1" style="float: right; margin-left: 20px;"> <tr> <td>Answers:</td> </tr> <tr> <td>25% 50%</td> </tr> </table>	Answers:	25% 50%	51	N5
Answers:				
25% 50%				
<b>Reading and writing decimal numbers</b> <i>Example:</i> <b>Write</b> these number words as decimal numbers. four point seven three five = 4.735, etc. <b>Write</b> each decimal number as number words. 12.034 = twelve point zero three four	52	N2 (Level 3)		
<b>Finding a fraction of a quantity</b> <i>Example:</i> <b>Find</b> each <b>fraction</b> of these whole numbers. $\frac{1}{4}$ of 16 = _____ $\frac{1}{5}$ of 320 = _____	53	N9		
<b>Converting fractions to decimals</b> <i>Example:</i> $\frac{1}{2}$ = _____ $\frac{3}{4}$ = _____ <table border="1" style="float: right; margin-left: 20px;"> <tr> <td>Answers:</td> </tr> <tr> <td>0.5 0.75</td> </tr> </table>	Answers:	0.5 0.75	57	N4
Answers:				
0.5 0.75				
<b>Converting decimals to fractions</b> <i>Example:</i> 0.25 = _____ 0.5 = _____ <table border="1" style="float: right; margin-left: 20px;"> <tr> <td>Answers:</td> </tr> <tr> <td><math>\frac{1}{2}</math> <math>\frac{1}{4}</math></td> </tr> </table>	Answers:	$\frac{1}{2}$ $\frac{1}{4}$	63	N4
Answers:				
$\frac{1}{2}$ $\frac{1}{4}$				
<b>Reading and writing information as a fraction</b> <i>Example:</i> <b>Write</b> each statement as a fraction. It rained 2 days in the last week. <table style="margin-left: 20px;"> <tr> <td style="text-align: center;"><math>\frac{2}{7}</math></td> </tr> </table>	$\frac{2}{7}$	80	N2 (Level 3)	
$\frac{2}{7}$				
<b>Finding a percentage of a quantity</b> <i>Example:</i> <b>Find</b> each <b>percentage</b> of these whole numbers. 10% of 80 = _____ 50% of 95 = _____	81	N9		
<b>Adding positive and negative numbers</b> <i>Example:</i> <b>Add</b> these positive and negative numbers  $8 + -6 =$ _____ $-9 + 7 =$ _____	83	N1		
<b>Converting percentages to decimals</b> <i>Example:</i> 25% = _____ 50% = _____ <table border="1" style="float: right; margin-left: 20px;"> <tr> <td>Answers:</td> </tr> <tr> <td>0.5 0.25</td> </tr> </table>	Answers:	0.5 0.25	88	N5
Answers:				
0.5 0.25				
<b>Multiplying and dividing by powers of 10</b> <i>Example:</i> $5.37 \times 10^2 =$ _____ $732.4 \div 10^2 =$ _____	103	N2		
<b>For information about ....</b> <input checked="" type="checkbox"/> <b>Assessment and Reporting Ideas</b> <input checked="" type="checkbox"/> <b>Teacher and Pupil Record Sheets</b> refer to the section after the 30 A4 Activity Sheets.				

## Daily Number Activity Tasks

Evaluation Copy  
AWS Publications Ltd  
All rights reserved

**Evaluation Copy**  
**AWS Publications Ltd**  
**All rights reserved**



(1)  $761 + 229 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 3740 \\ \times 26 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 2750 \\ \times 48 \\ \hline \end{array}$$

**Write these number words as 3-digit numbers.**

(9) three hundred &amp; ninety-seven \_\_\_\_\_

(10) four hundred &amp; eighty-five \_\_\_\_\_

(2)  $393 + 486 =$  \_\_\_\_\_

(3)  $784 - 480 =$  \_\_\_\_\_

(4)  $670 - 249 =$  \_\_\_\_\_

(7) 
$$2 \overline{)1236}$$

(8) 
$$5 \overline{)2930}$$

**Write these 3-digit numbers as number words.**

(11) 253 \_\_\_\_\_

(12) 718 \_\_\_\_\_

(13) 946 \_\_\_\_\_

(1)  $584 + 108 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 9561 \\ \times 62 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 3916 \\ \times 84 \\ \hline \end{array}$$

**Multiplying and dividing decimals.**

(9) 
$$\begin{array}{r} 53.97 \\ \times 5.6 \\ \hline \end{array}$$

(10) 
$$\begin{array}{r} 2.846 \\ \times 0.38 \\ \hline \end{array}$$

(11) 
$$0.5 \overline{)18.45}$$

(2)  $361 + 597 =$  \_\_\_\_\_

(3)  $687 - 241 =$  \_\_\_\_\_

(4)  $706 - 492 =$  \_\_\_\_\_

(7) 
$$3 \overline{)2112}$$

(8) 
$$4 \overline{)1580}$$

(12) 
$$0.07 \overline{)6.489}$$

(1)  $657 + 234 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 8237 \\ \times 26 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 4827 \\ \times 48 \\ \hline \end{array}$$

(9) How much would 5 C.D.'s at \$27.95 each cost? \_\_\_\_\_



(2)  $395 + 494 =$  \_\_\_\_\_

(3)  $696 - 436 =$  \_\_\_\_\_

(4)  $785 - 188 =$  \_\_\_\_\_

(7) 
$$6 \overline{)1674}$$

(8) 
$$7 \overline{)1302}$$

(10) How much would 3 kilograms of meat at \$7.95 per kilogram cost? \_\_\_\_\_

(11) If 8 exercise books cost \$9.28, what is the cost of one exercise book? \_\_\_\_\_



(1)  $256 + 518 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 4095 \\ \times 62 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 5093 \\ \times 84 \\ \hline \end{array}$$

**Shade** in part of each diagram to show you understand these fractions.

(2)  $481 + 334 =$  \_\_\_\_\_

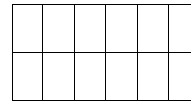
(3)  $478 - 255 =$  \_\_\_\_\_

(4)  $758 - 188 =$  \_\_\_\_\_

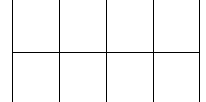
(7) 
$$8 \overline{)4544}$$

(8) 
$$9 \overline{)3663}$$

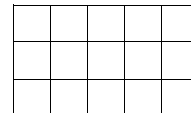
(9)  $\frac{1}{2}$



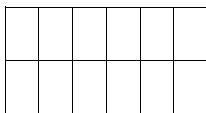
(10)  $\frac{3}{4}$



(11)  $\frac{3}{5}$



(12)  $\frac{2}{3}$



(1)  $142 + 639 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 6182 \\ \times 26 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 1648 \\ \times 48 \\ \hline \end{array}$$

**Prime numbers, multiples & factors**

(2)  $458 + 571 =$  \_\_\_\_\_

(3)  $697 - 426 =$  \_\_\_\_\_

(4)  $841 - 409 =$  \_\_\_\_\_

(7) 
$$2 \overline{)1480}$$

(8) 
$$5 \overline{)2695}$$

(9) **List the prime numbers** between 1 and 15. \_\_\_\_\_(10) **List the first 5 multiples of 4.** \_\_\_\_\_(11) **List the first 5 multiples of 8.** \_\_\_\_\_(12) **List the factors of 8.** \_\_\_\_\_(13) **List the factors of 12.** \_\_\_\_\_

**6**

Name: \_\_\_\_\_

Copyright © 2006 AWS Publications Ltd

Time taken: \_\_\_\_\_

Score: \_\_\_\_\_

L4N2

(1)  $306 + 527 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 7403 \\ \times 59 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 7502 \\ \times 37 \\ \hline \end{array}$$

**List these decimals in order of smallest to largest.**

1.3, 1.9, 1.4, 1.5, 1.7, 1.1, 1.6, 1.2, 1.8, 1.0

(2)  $182 + 425 =$  \_\_\_\_\_

(9) \_\_\_\_\_

2.8, 2.4, 2.0, 2.9, 2.1, 2.5, 2.7, 2.3, 2.2, 2.6

(3)  $679 - 139 =$  \_\_\_\_\_

(10) \_\_\_\_\_

0.12, 0.18, 0.14, 0.09, 0.16, 0.17, 0.11, 0.20

(4)  $814 - 490 =$  \_\_\_\_\_

(7) 
$$3 \overline{)2187}$$

(8) 
$$4 \overline{)2724}$$

(11) \_\_\_\_\_

**7**

Name: \_\_\_\_\_

Copyright © 2006 AWS Publications Ltd

Time taken: \_\_\_\_\_

Score: \_\_\_\_\_

L4N2

(1)  $145 + 259 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 5619 \\ \times 95 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 3169 \\ \times 73 \\ \hline \end{array}$$

**Round these numbers to the nearest 10, 100 or 1000, before working out an estimated answer.**

(2)  $492 + 282 =$  \_\_\_\_\_

(9)  $563 + 212 =$  \_\_\_\_\_

(3)  $589 - 204 =$  \_\_\_\_\_

(10)  $8032 - 495 =$  \_\_\_\_\_

(4)  $766 - 439 =$  \_\_\_\_\_

(7) 
$$6 \overline{)3408}$$

(8) 
$$7 \overline{)3290}$$

(11)  $2895 \times 32 =$  \_\_\_\_\_

(12)  $2417 \div 6 =$  \_\_\_\_\_

**8**

Name: \_\_\_\_\_

Copyright © 2006 AWS Publications Ltd

Time taken: \_\_\_\_\_

Score: \_\_\_\_\_

L4N2

(1)  $837 + 127 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 2378 \\ \times 59 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 8274 \\ \times 37 \\ \hline \end{array}$$

**Calculate the change in temperatures.**

(2)  $558 + 261 =$  \_\_\_\_\_

(9) Starting temperature  $5^{\circ}\text{C}$ , drops  $7^{\circ}\text{C}$ . \_\_\_\_\_

(3)  $586 - 475 =$  \_\_\_\_\_

(10) Starting temperature  $4^{\circ}\text{C}$ , rises  $5^{\circ}\text{C}$ . \_\_\_\_\_

(4)  $766 - 493 =$  \_\_\_\_\_

(7) 
$$8 \overline{)2872}$$

(8) 
$$9 \overline{)2673}$$

(11) Starting temperature  $3^{\circ}\text{C}$ , drops  $8^{\circ}\text{C}$ . \_\_\_\_\_

(12) Starting temperature  $-2^{\circ}\text{C}$ , rises  $5^{\circ}\text{C}$ . \_\_\_\_\_

(13) Starting temperature  $-3^{\circ}\text{C}$ , drops  $4^{\circ}\text{C}$ . \_\_\_\_\_

**9**

Name: \_\_\_\_\_

Copyright © 2006 AWS Publications Ltd

Time taken: \_\_\_\_\_

Score: \_\_\_\_\_

L4N2

(1)  $614 + 119 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 5049 \\ \times 95 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 3509 \\ \times 73 \\ \hline \end{array}$$

**Complete each calculation to create equivalent fractions.** Example:  $\frac{1}{2} \times \frac{8}{8} = \frac{8}{16}$ 

(2)  $591 + 196 =$  \_\_\_\_\_

(9)  $\frac{1}{2} \times \frac{4}{4} =$  \_\_\_\_\_ (10)  $\frac{1}{4} \times \frac{5}{5} =$  \_\_\_\_\_

(3)  $986 - 716 =$  \_\_\_\_\_

(11)  $\frac{1}{5} \times \frac{6}{6} =$  \_\_\_\_\_ (12)  $\frac{1}{6} \times \frac{3}{3} =$  \_\_\_\_\_

(4)  $982 - 689 =$  \_\_\_\_\_

(7) 
$$2 \overline{)1856}$$

(8) 
$$5 \overline{)3090}$$

(13)  $\frac{2}{7} \times \frac{2}{2} =$  \_\_\_\_\_ (14)  $\frac{2}{3} \times \frac{7}{7} =$  \_\_\_\_\_

(15)  $\frac{3}{4} \times \frac{8}{8} =$  \_\_\_\_\_ (16)  $\frac{4}{5} \times \frac{10}{10} =$  \_\_\_\_\_

**10**

Name: \_\_\_\_\_

Copyright © 2006 AWS Publications Ltd

Time taken: \_\_\_\_\_

Score: \_\_\_\_\_

L4N2

(1)  $547 + 249 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 1826 \\ \times 59 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 6481 \\ \times 37 \\ \hline \end{array}$$

**What is the place value of the BOLD digit in each number and what does it mean?**Example: In **4.25** the place value is  $\frac{1}{10}$ 's and it means  $\frac{2}{10}$ .

(2)  $275 + 493 =$  \_\_\_\_\_

(9) **2.7** \_\_\_\_\_ (10) **25.784** \_\_\_\_\_

(3)  $459 - 115 =$  \_\_\_\_\_

(11) **6.45** \_\_\_\_\_ (12) **921.7** \_\_\_\_\_

(4)  $928 - 698 =$  \_\_\_\_\_

(7) 
$$3 \overline{)1704}$$

(8) 
$$4 \overline{)1880}$$

(13) **12.08** \_\_\_\_\_ (14) **0.026** \_\_\_\_\_

(15) **81.90** \_\_\_\_\_ (16) **425.17** \_\_\_\_\_

(1)  $143 + 728 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 4037 \\ \times 27 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 5027 \\ \times 49 \\ \hline \end{array}$$

(2)  $180 + 345 =$  \_\_\_\_\_

(3)  $397 - 232 =$  \_\_\_\_\_

(4)  $941 - 832 =$  \_\_\_\_\_

(7) 
$$6 \overline{)2154}$$

(8) 
$$7 \overline{)1953}$$

**Calculate the squares** of these numbers.

(9)  $4^2$  \_\_\_\_\_

(10)  $10^2$  \_\_\_\_\_

(11)  $8^2$  \_\_\_\_\_

(12)  $7^2$  \_\_\_\_\_

(13)  $5^2$  \_\_\_\_\_

(14)  $3^2$  \_\_\_\_\_

**Calculate the square roots** of these numbers.

(15)  $\sqrt{36}$  \_\_\_\_\_

(16)  $\sqrt{144}$  \_\_\_\_\_

(17)  $\sqrt{16}$  \_\_\_\_\_

(18)  $\sqrt{81}$  \_\_\_\_\_

(19)  $\sqrt{64}$  \_\_\_\_\_

(20)  $\sqrt{49}$  \_\_\_\_\_

(1)  $436 + 246 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 6195 \\ \times 72 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 1693 \\ \times 94 \\ \hline \end{array}$$

(2)  $270 + 586 =$  \_\_\_\_\_

(3)  $598 - 303 =$  \_\_\_\_\_

(4)  $419 - 328 =$  \_\_\_\_\_

(7) 
$$8 \overline{)1344}$$

(8) 
$$9 \overline{)5274}$$

**Round these numbers** to the nearest 10.

(9) 124 \_\_\_\_\_

(10) 249 \_\_\_\_\_

(11) 371 \_\_\_\_\_

(12) 867 \_\_\_\_\_

(13) 613 \_\_\_\_\_

(14) 905 \_\_\_\_\_

**Round these numbers** to the nearest 100.

(15) 1286 \_\_\_\_\_

(16) 5834 \_\_\_\_\_

(17) 5643 \_\_\_\_\_

(18) 3146 \_\_\_\_\_

(19) 6782 \_\_\_\_\_

(20) 2450 \_\_\_\_\_

(1)  $372 + 308 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 3782 \\ \times 27 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 2748 \\ \times 49 \\ \hline \end{array}$$

(2)  $193 + 873 =$  \_\_\_\_\_

(3)  $985 - 825 =$  \_\_\_\_\_

(4)  $842 - 624 =$  \_\_\_\_\_

(7) 
$$2 \overline{)1712}$$

(8) 
$$5 \overline{)2350}$$

**Prime numbers, multiples & factors**(9) **List the prime numbers** between 10 and 20. \_\_\_\_\_(10) **List the first 5 multiples** of 6. \_\_\_\_\_(11) **List the first 5 multiples** of 7. \_\_\_\_\_(12) **List the factors** of 10. \_\_\_\_\_(13) **List the factors** of 15. \_\_\_\_\_

(1)  $759 + 124 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 4509 \\ \times 72 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 5309 \\ \times 94 \\ \hline \end{array}$$

(2)  $340 + 167 =$  \_\_\_\_\_

(3)  $384 - 164 =$  \_\_\_\_\_

(4)  $824 - 642 =$  \_\_\_\_\_

(7) 
$$3 \overline{)1077}$$

(8) 
$$4 \overline{)1188}$$

**Add up Karen's shopping list prices.**

\$21.35

\$11.40

\$27.15

\$23.54

+ \$9.85

(10) If Karen paid for her items with five \$20.00 notes, how much change would she get back? \_\_\_\_\_



(1)  $263 + 109 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 8216 \\ \times 27 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 4816 \\ \times 49 \\ \hline \end{array}$$

(2)  $184 + 551 =$  \_\_\_\_\_

(3)  $975 - 170 =$  \_\_\_\_\_

(4)  $873 - 158 =$  \_\_\_\_\_

(7) 
$$6 \overline{)1116}$$

(8) 
$$7 \overline{)3976}$$

**Calculate the change in temperatures.**(9) Starting temperature  $3^{\circ}\text{C}$ , rises  $7^{\circ}\text{C}$ . \_\_\_\_\_(10) Starting temperature  $4^{\circ}\text{C}$ , drops  $6^{\circ}\text{C}$ . \_\_\_\_\_(11) Starting temperature  $0^{\circ}\text{C}$ , rises  $5^{\circ}\text{C}$ . \_\_\_\_\_(12) Starting temperature  $-4^{\circ}\text{C}$ , rises  $7^{\circ}\text{C}$ . \_\_\_\_\_(13) Starting temperature  $-3^{\circ}\text{C}$ , drops  $5^{\circ}\text{C}$ . \_\_\_\_\_

(1)  $628 + 337 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 3074 \\ \times 57 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 2075 \\ \times 68 \\ \hline \end{array}$$

(2)  $352 + 356 =$  \_\_\_\_\_

(3)  $784 - 480 =$  \_\_\_\_\_

(4)  $837 - 185 =$  \_\_\_\_\_

(7) 
$$8 \overline{)3760}$$

(8) 
$$9 \overline{)3231}$$

**Multiplying and dividing decimals.**

(9) 
$$\begin{array}{r} 31.94 \\ \times 0.79 \\ \hline \end{array}$$

(10) 
$$\begin{array}{r} 30.49 \\ \times 6.5 \\ \hline \end{array}$$

(11) 
$$0.04 \overline{)1.544}$$

(12) 
$$0.7 \overline{)33.95}$$

(1)  $207 + 696 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 1695 \\ \times 75 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 1396 \\ \times 86 \\ \hline \end{array}$$

(2)  $282 + 367 =$  \_\_\_\_\_

(3)  $679 - 139 =$  \_\_\_\_\_

(4)  $380 - 154 =$  \_\_\_\_\_

(7) 
$$2 \overline{)1870}$$

(8) 
$$5 \overline{)1395}$$

**Complete each calculation to create equivalent fractions.** Example:  $\frac{1}{2} \times \frac{8}{8} = \frac{8}{16}$



(9)  $\frac{1}{2} \times \frac{4}{4} =$  \_\_\_\_\_

(10)  $\frac{1}{4} \times \frac{5}{5} =$  \_\_\_\_\_

(11)  $\frac{1}{3} \times \frac{6}{6} =$  \_\_\_\_\_

(12)  $\frac{1}{45} \times \frac{3}{3} =$  \_\_\_\_\_

(13)  $\frac{3}{5} \times \frac{2}{2} =$  \_\_\_\_\_

(14)  $\frac{5}{8} \times \frac{7}{7} =$  \_\_\_\_\_

(15)  $\frac{3}{10} \times \frac{8}{8} =$  \_\_\_\_\_

(16)  $\frac{7}{12} \times \frac{10}{10} =$  \_\_\_\_\_

(1)  $469 + 317 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 3278 \\ \times 57 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 4287 \\ \times 68 \\ \hline \end{array}$$

(2)  $267 + 251 =$  \_\_\_\_\_

(3)  $397 - 232 =$  \_\_\_\_\_

(4)  $308 - 145 =$  \_\_\_\_\_

(7) 
$$3 \overline{)2043}$$

(8) 
$$4 \overline{)2344}$$

**List these decimals in order of largest to smallest.**

1.17, 1.10, 1.09, 1.24, 1.07, 1.26, 1.14, 1.19

(9) \_\_\_\_\_  
2.34, 2.41, 2.39, 2.40, 2.37, 2.31, 2.42, 2.36

(10) \_\_\_\_\_  
7.67, 7.64, 7.71, 7.76, 7.69, 7.70, 7.61, 7.73

(11) \_\_\_\_\_

(1)  $564 + 437 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 4059 \\ \times 75 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 3509 \\ \times 86 \\ \hline \end{array}$$

(2)  $295 + 760 =$  \_\_\_\_\_

(3)  $687 - 241 =$  \_\_\_\_\_

(4)  $964 - 749 =$  \_\_\_\_\_

(7) 
$$6 \overline{)2442}$$

(8) 
$$7 \overline{)2765}$$

(9) How much would 6 C.D.'s at \$23.75 each cost? \_\_\_\_\_



(10) How much would 4 kilograms of meat at \$12.65 per kilogram cost? \_\_\_\_\_

(11) If 9 exercise books cost \$8.73, what is the cost of one exercise book? \_\_\_\_\_



(1)  $527 + 303 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 1862 \\ \times 57 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 1468 \\ \times 68 \\ \hline \end{array}$$

(2)  $251 + 485 =$  \_\_\_\_\_

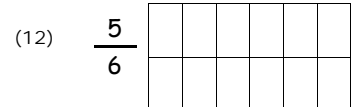
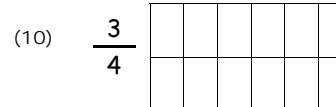
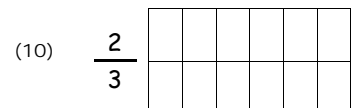
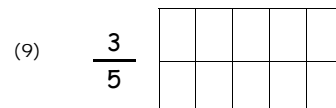
(3)  $589 - 204 =$  \_\_\_\_\_

(4)  $946 - 794 =$  \_\_\_\_\_

(7) 
$$8 \overline{)2232}$$

(8) 
$$9 \overline{)1512}$$

**Shade in part of each diagram to show you understand these fractions.**



(1)  $478 + 197 =$  \_\_\_\_\_

(2)  $141 + 971 =$  \_\_\_\_\_

(3)  $590 - 423 =$  \_\_\_\_\_

(4)  $905 - 234 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 3740 \\ \times 38 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 2750 \\ \times 69 \\ \hline \end{array}$$

(7) 
$$\begin{array}{r} 2 \overline{)1870} \\ \hline \end{array}$$

(8) 
$$\begin{array}{r} 4 \overline{)1116} \\ \hline \end{array}$$

Calculate the change in temperatures.

- (9) Starting temperature  $7^{\circ}\text{C}$ , rises  $4^{\circ}\text{C}$ . \_\_\_\_\_
- (10) Starting temperature  $8^{\circ}\text{C}$ , drops  $9^{\circ}\text{C}$ . \_\_\_\_\_
- (11) Starting temperature  $5^{\circ}\text{C}$ , rises  $8^{\circ}\text{C}$ . \_\_\_\_\_
- (12) Starting temperature  $-6^{\circ}\text{C}$ , rises  $7^{\circ}\text{C}$ . \_\_\_\_\_
- (13) Starting temperature  $-5^{\circ}\text{C}$ , drops  $3^{\circ}\text{C}$ . \_\_\_\_\_

(1)  $833 + 259 =$  \_\_\_\_\_

(2)  $376 + 469 =$  \_\_\_\_\_

(3)  $644 - 384 =$  \_\_\_\_\_

(4)  $744 - 648 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 1956 \\ \times 83 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 3196 \\ \times 96 \\ \hline \end{array}$$

(7) 
$$\begin{array}{r} 3 \overline{)2043} \\ \hline \end{array}$$

(8) 
$$\begin{array}{r} 7 \overline{)3976} \\ \hline \end{array}$$

What is the **place value** of the **BOLD** digit in each number and what does it mean?

Example: In 4.25 the place value is  $\frac{1}{10}$  and it means  $\frac{2}{10}$ .

- (9) **3.9** \_\_\_\_\_ (10) **13.128** \_\_\_\_\_
- (11) **6.45** \_\_\_\_\_ (12) **682.7** \_\_\_\_\_
- (13) **7.69** \_\_\_\_\_ (14) **6.745** \_\_\_\_\_
- (15) **0.56** \_\_\_\_\_ (16) **945.78** \_\_\_\_\_

(1)  $471 + 878 =$  \_\_\_\_\_

(2)  $904 + 836 =$  \_\_\_\_\_

(3)  $645 - 107 =$  \_\_\_\_\_

(4)  $654 - 170 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 8237 \\ \times 38 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 4827 \\ \times 69 \\ \hline \end{array}$$

(7) 
$$\begin{array}{r} 6 \overline{)1674} \\ \hline \end{array}$$

(8) 
$$\begin{array}{r} 9 \overline{)1512} \\ \hline \end{array}$$

Calculate the squares of these numbers.

- (9)  $6^2$  \_\_\_\_\_ (10)  $9^2$  \_\_\_\_\_ (11)  $7^2$  \_\_\_\_\_
- (12)  $11^2$  \_\_\_\_\_ (13)  $5^2$  \_\_\_\_\_ (14)  $12^2$  \_\_\_\_\_

Calculate the square roots of these numbers.

- (11)  $\sqrt{25}$  \_\_\_\_\_ (16)  $\sqrt{64}$  \_\_\_\_\_ (17)  $\sqrt{121}$  \_\_\_\_\_
- (14)  $\sqrt{100}$  \_\_\_\_\_ (19)  $\sqrt{16}$  \_\_\_\_\_ (20)  $\sqrt{81}$  \_\_\_\_\_

(1)  $689 + 167 =$  \_\_\_\_\_

(2)  $762 + 486 =$  \_\_\_\_\_

(3)  $717 - 666 =$  \_\_\_\_\_

(4)  $761 - 636 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 4095 \\ \times 83 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 3095 \\ \times 96 \\ \hline \end{array}$$

(7) 
$$\begin{array}{r} 8 \overline{)6848} \\ \hline \end{array}$$

(8) 
$$\begin{array}{r} 5 \overline{)3700} \\ \hline \end{array}$$

Round these numbers to the nearest 10, 100 or 1000, before working out an estimated answer.

- (9)  $912 + 1195$  \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_
- (10)  $4872 - 709$  \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_
- (11)  $2047 \times 59$  \_\_\_\_\_  $\times$  \_\_\_\_\_ = \_\_\_\_\_
- (12)  $819 \div 4$  \_\_\_\_\_  $\div$  \_\_\_\_\_ = \_\_\_\_\_

(1)  $915 + 456 =$  \_\_\_\_\_

(2)  $548 + 272 =$  \_\_\_\_\_

(3)  $795 - 299 =$  \_\_\_\_\_

(4)  $759 - 299 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 1682 \\ \times 38 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 1648 \\ \times 69 \\ \hline \end{array}$$

(7) 
$$\begin{array}{r} 2 \overline{)1316} \\ \hline \end{array}$$

(8) 
$$\begin{array}{r} 4 \overline{)1880} \\ \hline \end{array}$$

Prime numbers, multiples & factors

- (9) List the prime numbers between 15 and 30. \_\_\_\_\_
- (10) List the first 5 multiples of 5. \_\_\_\_\_
- (11) List the first 5 multiples of 8. \_\_\_\_\_
- (12) List the factors of 18. \_\_\_\_\_
- (13) List the factors of 20. \_\_\_\_\_



(1)  $662 + 866 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 9561 \\ \times 26 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 9316 \\ \times 48 \\ \hline \end{array}$$

**Round these numbers to the nearest 10.**

(9) 109 \_\_\_\_\_ (10) 254 \_\_\_\_\_ (11) 316 \_\_\_\_\_

(2)  $918 + 927 =$  \_\_\_\_\_

(12) 563 \_\_\_\_\_ (13) 697 \_\_\_\_\_ (14) 942 \_\_\_\_\_

(3)  $534 - 271 =$  \_\_\_\_\_

**Round these numbers to the nearest 100.**

(4)  $453 - 127 =$  \_\_\_\_\_

(7) 
$$3 \overline{)1410}$$

(8) 
$$7 \overline{)2765}$$

(15) 6453 \_\_\_\_\_ (16) 1094 \_\_\_\_\_ (17) 3761 \_\_\_\_\_

(18) 2976 \_\_\_\_\_ (19) 4537 \_\_\_\_\_ (20) 7275 \_\_\_\_\_

(1)  $387 + 653 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 8237 \\ \times 62 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 4827 \\ \times 84 \\ \hline \end{array}$$

**Write these number words as 3-digit numbers.**

(9) two hundred &amp; fifty-nine \_\_\_\_\_

(2)  $290 + 956 =$  \_\_\_\_\_

(10) seven hundred &amp; forty-eight \_\_\_\_\_

(3)  $680 - 308 =$  \_\_\_\_\_

**Write these 3-digit numbers as number words.**

(4)  $919 - 780 =$  \_\_\_\_\_

(7) 
$$6 \overline{)5136}$$

(8) 
$$9 \overline{)4230}$$

(11) 639 \_\_\_\_\_

(12) 827 \_\_\_\_\_

(13) 645 \_\_\_\_\_

(1)  $788 + 903 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 4095 \\ \times 26 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 5093 \\ \times 48 \\ \hline \end{array}$$

(9) **Add up Karen's shopping list prices.**

(2)  $149 + 682 =$  \_\_\_\_\_

\$32.45

\$8.40

\$24.65

\$19.95

+ \$9.85

(10) If Karen paid for her items with five \$20.00 notes, how much change would she get back? \_\_\_\_\_



(3)  $608 - 380 =$  \_\_\_\_\_

(4)  $992 - 345 =$  \_\_\_\_\_

(7) 
$$8 \overline{)6888}$$

(8) 
$$5 \overline{)3425}$$

(1)  $562 + 975 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 1682 \\ \times 62 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 1648 \\ \times 84 \\ \hline \end{array}$$

**Calculate the change in temperatures.**

(2)  $815 + 448 =$  \_\_\_\_\_

(9) Starting temperature  $5^{\circ}\text{C}$ , drops  $9^{\circ}\text{C}$ . \_\_\_\_\_

(3)  $952 - 648 =$  \_\_\_\_\_

(10) Starting temperature  $0^{\circ}\text{C}$ , rises  $7^{\circ}\text{C}$ . \_\_\_\_\_

(4)  $836 - 345 =$  \_\_\_\_\_

(7) 
$$2 \overline{)1458}$$

(8) 
$$4 \overline{)2476}$$

(11) Starting temperature  $3^{\circ}\text{C}$ , drops  $8^{\circ}\text{C}$ . \_\_\_\_\_

(12) Starting temperature  $-4^{\circ}\text{C}$ , rises  $8^{\circ}\text{C}$ . \_\_\_\_\_

(13) Starting temperature  $-6^{\circ}\text{C}$ , drops  $5^{\circ}\text{C}$ . \_\_\_\_\_

(1)  $463 + 287 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 3740 \\ \times 26 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 2750 \\ \times 48 \\ \hline \end{array}$$

**Complete each calculation to create equivalent fractions.** Example:  $\frac{1}{2} \times \frac{8}{8} = \frac{8}{16}$ 

(2)  $580 + 984 =$  \_\_\_\_\_

(9)  $\frac{2}{3} \times \frac{4}{4} =$  \_\_\_\_\_ (10)  $\frac{3}{4} \times \frac{5}{5} =$  \_\_\_\_\_

(3)  $929 - 453 =$  \_\_\_\_\_

(11)  $\frac{2}{5} \times \frac{6}{6} =$  \_\_\_\_\_ (12)  $\frac{4}{5} \times \frac{3}{3} =$  \_\_\_\_\_

(4)  $480 - 376 =$  \_\_\_\_\_

(7) 
$$3 \overline{)2187}$$


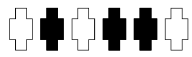






(8) 
$$7 \overline{)1309}$$

(13)  $\frac{6}{7} \times \frac{2}{2} =$  \_\_\_\_\_ (14)  $\frac{7}{8} \times \frac{7}{7} =$  \_\_\_\_\_

(15)  $\frac{7}{10} \times \frac{8}{8} =$  \_\_\_\_\_ (16)  $\frac{5}{12} \times \frac{10}{10} =$  \_\_\_\_\_

- (1)  $547 + 548 =$  \_\_\_\_\_
- (2)  $697 + 136 =$  \_\_\_\_\_
- (3)  $691 - 508 =$  \_\_\_\_\_
- (4)  $827 - 137 =$  \_\_\_\_\_
- (5) 
$$\begin{array}{r} 5619 \\ \times 59 \\ \hline \end{array}$$
- (6) 
$$\begin{array}{r} 3169 \\ \times 37 \\ \hline \end{array}$$
- (7) 
$$6 \overline{)2370}$$
- (8) 
$$9 \overline{)2511}$$

What fraction of each group of shapes is shaded?

- (9)  \_\_\_\_\_
- (10)  \_\_\_\_\_
- (11)  \_\_\_\_\_
- (12)  \_\_\_\_\_
- (13)  \_\_\_\_\_
- (14)  \_\_\_\_\_
- (15)  \_\_\_\_\_
- (16)  \_\_\_\_\_

- (1)  $782 + 767 =$  \_\_\_\_\_
- (2)  $952 + 719 =$  \_\_\_\_\_
- (3)  $529 - 486 =$  \_\_\_\_\_
- (4)  $893 - 374 =$  \_\_\_\_\_
- (5) 
$$\begin{array}{r} 2378 \\ \times 95 \\ \hline \end{array}$$
- (6) 
$$\begin{array}{r} 2874 \\ \times 73 \\ \hline \end{array}$$
- (7) 
$$8 \overline{)3760}$$
- (8) 
$$5 \overline{)2695}$$

(9) How much would 7 C.D.'s at \$29.95 each cost?



(10) How much would 2 kilograms of meat at \$15.85 per kilogram cost?



(11) If 6 exercise books cost \$6.90, what is the cost of one exercise book?



- (1)  $283 + 388 =$  \_\_\_\_\_
- (2)  $427 + 986 =$  \_\_\_\_\_
- (3)  $872 - 173 =$  \_\_\_\_\_
- (4)  $636 - 296 =$  \_\_\_\_\_
- (5) 
$$\begin{array}{r} 9054 \\ \times 59 \\ \hline \end{array}$$
- (6) 
$$\begin{array}{r} 9035 \\ \times 37 \\ \hline \end{array}$$
- (7) 
$$2 \overline{)1480}$$
- (8) 
$$4 \overline{)1436}$$

Multiplying and dividing decimals.

- (9) 
$$\begin{array}{r} 249.3 \\ \times 4.7 \\ \hline \end{array}$$
- (10) 
$$\begin{array}{r} 68.75 \\ \times 0.29 \\ \hline \end{array}$$
- (11) 
$$0.9 \overline{)4.185}$$
- (12) 
$$0.04 \overline{)1.188}$$

- (1)  $914 + 246 =$  \_\_\_\_\_
- (2)  $278 + 349 =$  \_\_\_\_\_
- (3)  $408 - 367 =$  \_\_\_\_\_
- (4)  $363 - 269 =$  \_\_\_\_\_
- (5) 
$$\begin{array}{r} 1826 \\ \times 95 \\ \hline \end{array}$$
- (6) 
$$\begin{array}{r} 6481 \\ \times 73 \\ \hline \end{array}$$
- (7) 
$$3 \overline{)1704}$$
- (8) 
$$7 \overline{)3290}$$

Multiplying and dividing by 10, 100 or 1000.

- (9)  $2.38 \times 100 =$  \_\_\_\_\_
- (10)  $15.46 \times 1000 =$  \_\_\_\_\_
- (11)  $1.957 \times 10 =$  \_\_\_\_\_
- (12)  $3.972 \times 100 =$  \_\_\_\_\_
- (13)  $0.461 \times 1000 =$  \_\_\_\_\_
- (14)  $42.31 \div 10 =$  \_\_\_\_\_
- (15)  $3.769 \div 100 =$  \_\_\_\_\_
- (16)  $86121 \div 1000 =$  \_\_\_\_\_
- (17)  $57.84 \div 10 =$  \_\_\_\_\_
- (18)  $93.51 \div 100 =$  \_\_\_\_\_

- (1)  $753 + 962 =$  \_\_\_\_\_
- (2)  $659 + 405 =$  \_\_\_\_\_
- (3)  $491 - 196 =$  \_\_\_\_\_
- (4)  $526 - 174 =$  \_\_\_\_\_
- (5) 
$$\begin{array}{r} 7403 \\ \times 59 \\ \hline \end{array}$$
- (6) 
$$\begin{array}{r} 7502 \\ \times 37 \\ \hline \end{array}$$
- (7) 
$$6 \overline{)3708}$$
- (8) 
$$9 \overline{)5274}$$

Prime numbers, multiples & factors

- (9) List the prime numbers between 25 and 40. \_\_\_\_\_
- (10) List the first 5 multiples of 5. \_\_\_\_\_
- (11) List the first 5 multiples of 9. \_\_\_\_\_
- (12) List the factors of 24. \_\_\_\_\_
- (13) List the factors of 27. \_\_\_\_\_

(1)  $369 + 378 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 6195 \\ \times 27 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 6193 \\ \times 49 \\ \hline \end{array}$$

Shade in part of each diagram to show you understand these fractions.

(2)  $311 + 893 =$  \_\_\_\_\_

(9)  $\frac{2}{3}$ 


(10)  $\frac{3}{4}$ 


(3)  $419 - 169 =$  \_\_\_\_\_

(11)  $\frac{1}{6}$ 


(12)  $\frac{4}{5}$ 


(4)  $652 - 417 =$  \_\_\_\_\_

(7) 
$$8 \overline{)4744}$$

(8) 
$$5 \overline{)3960}$$

(1)  $529 + 573 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 3782 \\ \times 72 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 2748 \\ \times 94 \\ \hline \end{array}$$

Match these equivalent fractions.

Example:  $\frac{1}{2} = \frac{8}{16}$



(2)  $767 + 297 =$  \_\_\_\_\_

(9)  $\frac{1}{2} =$  \_\_\_\_\_

(10)  $\frac{8}{12} =$  \_\_\_\_\_

Answers:  
 $\frac{3}{5}$     $\frac{3}{4}$

(3)  $584 - 307 =$  \_\_\_\_\_

(11)  $\frac{3}{12} =$  \_\_\_\_\_

(12)  $\frac{1}{3} =$  \_\_\_\_\_

$\frac{2}{3}$     $\frac{5}{10}$

(4)  $948 - 557 =$  \_\_\_\_\_

(7) 
$$2 \overline{)1236}$$

(8) 
$$4 \overline{)2344}$$

(13)  $\frac{1}{5} =$  \_\_\_\_\_

(14)  $\frac{9}{12} =$  \_\_\_\_\_

$\frac{10}{12}$     $\frac{2}{10}$

(15)  $\frac{6}{10} =$  \_\_\_\_\_

(16)  $\frac{5}{6} =$  \_\_\_\_\_

$\frac{3}{9}$     $\frac{1}{4}$

(1)  $650 + 672 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 9540 \\ \times 27 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 9350 \\ \times 49 \\ \hline \end{array}$$

Round these numbers to the nearest 10, 100 or 1000, before working out an estimated answer.

(2)  $978 + 216 =$  \_\_\_\_\_

(9)  $462 + 1792 =$  \_\_\_\_\_

(3)  $903 - 272 =$  \_\_\_\_\_

(10)  $5031 - 689 =$  \_\_\_\_\_

(4)  $950 - 555 =$  \_\_\_\_\_

(7) 
$$3 \overline{)1077}$$

(8) 
$$7 \overline{)1953}$$

(11)  $3795 \times 53 =$  \_\_\_\_\_

(12)  $8065 \div 8 =$  \_\_\_\_\_

(1)  $393 + 297 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 2861 \\ \times 72 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 4816 \\ \times 94 \\ \hline \end{array}$$

List these decimals in order of largest to smallest.

4.32, 4.28, 4.30, 4.27, 4.32, 4.39, 4.20, 4.35

(2)  $294 + 841 =$  \_\_\_\_\_

(9) \_\_\_\_\_

5.64, 5.59, 5.60, 5.59, 5.51, 5.67, 5.54, 5.63

(3)  $976 - 477 =$  \_\_\_\_\_

(10) \_\_\_\_\_

9.12, 9.17, 9.06, 9.07, 9.11, 9.18, 9.02, 9.09

(4)  $915 - 350 =$  \_\_\_\_\_

(7) 
$$6 \overline{)4224}$$

(8) 
$$9 \overline{)3555}$$

(11) \_\_\_\_\_

(1)  $645 + 509 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 4037 \\ \times 27 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 5027 \\ \times 49 \\ \hline \end{array}$$

(9) Add up Karen's shopping list prices.

\$43.45

\$25.90

\$18.75

\$32.60

+ \$9.95

(10) If Karen paid for her items with seven \$20.00 notes, how much change would she get back?



(2)  $278 + 483 =$  \_\_\_\_\_

(3)  $759 - 261 =$  \_\_\_\_\_

(4)  $894 - 755 =$  \_\_\_\_\_

(7) 
$$8 \overline{)7416}$$

(8) 
$$5 \overline{)3090}$$

\_\_\_\_\_

- (1)  $796 + 740 =$  \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- (2)  $749 + 536 =$  \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- (3)  $491 - 207 =$  \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- (4)  $548 - 370 =$  \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

(5) 
$$\begin{array}{r} 1956 \\ \times 57 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 6931 \\ \times 68 \\ \hline \end{array}$$

(7) 
$$2 \overline{)1316}$$

(8) 
$$7 \overline{)3612}$$

What fraction of each group of shapes is shaded?



- (1)  $158 + 775 =$  \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- (2)  $630 + 598 =$  \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- (3)  $419 - 270 =$  \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- (4)  $833 - 515 =$  \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

(5) 
$$\begin{array}{r} 3827 \\ \times 75 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 4782 \\ \times 86 \\ \hline \end{array}$$

(7) 
$$3 \overline{)1758}$$

(8) 
$$9 \overline{)1485}$$

Round these numbers to the nearest 10.

- (9) 563 \_\_\_\_\_ (10) 496 \_\_\_\_\_ (11) 904 \_\_\_\_\_  
 (12) 179 \_\_\_\_\_ (13) 342 \_\_\_\_\_ (14) 655 \_\_\_\_\_

Round these numbers to the nearest 100.

- (15) 6342 \_\_\_\_\_ (16) 9062 \_\_\_\_\_ (17) 4239 \_\_\_\_\_  
 (18) 8156 \_\_\_\_\_ (19) 1938 \_\_\_\_\_ (20) 7350 \_\_\_\_\_

- (1)  $539 + 806 =$  \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- (2)  $478 + 197 =$  \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- (3)  $967 - 828 =$  \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- (4)  $737 - 565 =$  \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

(5) 
$$\begin{array}{r} 5409 \\ \times 57 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 3509 \\ \times 68 \\ \hline \end{array}$$

(7) 
$$6 \overline{)5136}$$

(8) 
$$5 \overline{)3075}$$

Prime numbers, multiples & factors

- (9) List the prime numbers between 35 and 50. \_\_\_\_\_  
 (10) List the first 5 multiples of 4. \_\_\_\_\_  
 (11) List the first 5 multiples of 6. \_\_\_\_\_  
 (12) List the factors of 30. \_\_\_\_\_  
 (13) List the factors of 32. \_\_\_\_\_

- (1)  $141 + 971 =$  \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- (2)  $988 + 115 =$  \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- (3)  $945 - 861 =$  \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- (4)  $930 - 227 =$  \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

(5) 
$$\begin{array}{r} 2618 \\ \times 75 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 1864 \\ \times 86 \\ \hline \end{array}$$

(7) 
$$8 \overline{)4544}$$

(8) 
$$4 \overline{)2604}$$

What is the place value of the **BOLD** digit in each number and what does it mean?

Example: In 4.**2**5 the place value is  $\frac{1}{10}$ 's and it means  $\frac{2}{10}$ .

- (9) **6.7** \_\_\_\_\_ (10) **45.287** \_\_\_\_\_  
 (11) **8.62** \_\_\_\_\_ (12) **620.8** \_\_\_\_\_  
 (13) **5.46** \_\_\_\_\_ (14) **3.876** \_\_\_\_\_  
 (15) **1.95** \_\_\_\_\_ (16) **725.63** \_\_\_\_\_

- (1)  $149 + 682 =$  \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- (2)  $562 + 975 =$  \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- (3)  $783 - 536 =$  \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- (4)  $807 - 226 =$  \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

(5) 
$$\begin{array}{r} 4370 \\ \times 57 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 5270 \\ \times 68 \\ \hline \end{array}$$

(7) 
$$2 \overline{)1588}$$

(8) 
$$7 \overline{)3521}$$

Calculate the squares of these numbers.

- (9)  $6^2$  \_\_\_\_\_ (10)  $10^2$  \_\_\_\_\_ (11)  $8^2$  \_\_\_\_\_  
 (12)  $15^2$  \_\_\_\_\_ (13)  $9^2$  \_\_\_\_\_ (14)  $20^2$  \_\_\_\_\_


Calculate the square roots of these numbers.

- (15)  $\sqrt{49}$  \_\_\_\_\_ (16)  $\sqrt{121}$  \_\_\_\_\_ (17)  $\sqrt{25}$  \_\_\_\_\_  
 (18)  $\sqrt{400}$  \_\_\_\_\_ (19)  $\sqrt{64}$  \_\_\_\_\_ (20)  $\sqrt{100}$  \_\_\_\_\_

(1)  $624 + 419 =$   
\_\_\_\_\_

(5)  $9561$   
 $\times 38$   
\_\_\_\_\_


(6)  $3916$   
 $\times 69$   
\_\_\_\_\_

(9) How much would 8 C.D.'s at  
\$24.95 each cost? \_\_\_\_\_  


(2)  $369 + 378 =$   
\_\_\_\_\_

(10) How much would 6 kilograms of  
meat at \$8.45 per kilogram cost? \_\_\_\_\_

(3)  $905 - 555 =$   
\_\_\_\_\_

(11) If 5 exercise books cost \$6.00,  
what is the cost of one exercise  
book? \_\_\_\_\_  


(4)  $680 - 161 =$   
\_\_\_\_\_

(7)  $3 \overline{)1491}$

(8)  $9 \overline{)2745}$

(1)  $311 + 893 =$   
\_\_\_\_\_

(5)  $2837$   
 $\times 83$   
\_\_\_\_\_

(6)  $4827$   
 $\times 96$   
\_\_\_\_\_

**Multiplying and dividing by 10, 100 or 1000.**

(9)  $3.781 \times 100 =$  \_\_\_\_\_ (10)  $0.874 \times 1000 =$  \_\_\_\_\_

(2)  $708 + 594 =$   
\_\_\_\_\_

(11)  $56.9 \times 10 =$  \_\_\_\_\_ (12)  $12.47 \times 100 =$  \_\_\_\_\_

(3)  $856 - 268 =$   
\_\_\_\_\_

(13)  $0.956 \times 1000 =$  \_\_\_\_\_ (14)  $58.39 \div 10 =$  \_\_\_\_\_

(4)  $638 - 155 =$   
\_\_\_\_\_

(7)  $6 \overline{)2982}$

(8)  $5 \overline{)1525}$

(15)  $438.5 \div 100 =$  \_\_\_\_\_ (16)  $468.4 \div 1000 =$  \_\_\_\_\_

(17)  $37.94 \div 10 =$  \_\_\_\_\_ (18)  $965.2 \div 100 =$  \_\_\_\_\_

(1)  $376 + 469 =$   
\_\_\_\_\_

(5)  $4095$   
 $\times 38$   
\_\_\_\_\_

(6)  $5093$   
 $\times 69$   
\_\_\_\_\_

**Calculate the change in temperatures.**(9) Starting temperature  $6^{\circ}\text{C}$ , drops  $10^{\circ}\text{C}$ . \_\_\_\_\_

(2)  $471 + 878 =$   
\_\_\_\_\_

(10) Starting temperature  $8^{\circ}\text{C}$ , rises  $5^{\circ}\text{C}$ . \_\_\_\_\_

(3)  $806 - 511 =$   
\_\_\_\_\_

(11) Starting temperature  $0^{\circ}\text{C}$ , drops  $4^{\circ}\text{C}$ . \_\_\_\_\_

(4)  $951 - 305 =$   
\_\_\_\_\_

(7)  $8 \overline{)3832}$

(8)  $4 \overline{)2120}$

(12) Starting temperature  $-5^{\circ}\text{C}$ , rises  $7^{\circ}\text{C}$ . \_\_\_\_\_(13) Starting temperature  $-1^{\circ}\text{C}$ , drops  $9^{\circ}\text{C}$ . \_\_\_\_\_

(1)  $768 + 329 =$   
\_\_\_\_\_

(5)  $6182$   
 $\times 83$   
\_\_\_\_\_

(6)  $1648$   
 $\times 96$   
\_\_\_\_\_

**Order of operations.****BEDMAS**

(2)  $463 + 287 =$   
\_\_\_\_\_

(9)  $3 \times 6 + 27 =$  \_\_\_\_\_ (10)  $27 \div 3 - 7 =$  \_\_\_\_\_

(3)  $594 - 186 =$   
\_\_\_\_\_

(11)  $40 \div 8 + 19 =$  \_\_\_\_\_ (12)  $6 \times 5 - 18 =$  \_\_\_\_\_

(4)  $724 - 364 =$   
\_\_\_\_\_

(7)  $2 \overline{)1832}$

(8)  $7 \overline{)5096}$

(13)  $24 + 42 \div 6 =$  \_\_\_\_\_ (14)  $49 + 8 \times 9 =$  \_\_\_\_\_

(15)  $81 - 6 \times 9 =$  \_\_\_\_\_ (16)  $27 - 32 \div 4 =$  \_\_\_\_\_

(1)  $580 + 984 =$   
\_\_\_\_\_

(5)  $3740$   
 $\times 38$   
\_\_\_\_\_

(6)  $2750$   
 $\times 69$   
\_\_\_\_\_

**Match these equivalent fractions.**Example:  $\frac{1}{2} = \frac{8}{16}$ 

(2)  $908 + 173 =$   
\_\_\_\_\_

(9)  $\frac{1}{2} =$  \_\_\_\_\_ (10)  $\frac{10}{15} =$  \_\_\_\_\_

(3)  $916 - 145 =$   
\_\_\_\_\_

(11)  $\frac{9}{30} =$  \_\_\_\_\_ (12)  $\frac{1}{3} =$  \_\_\_\_\_

(4)  $642 - 546 =$   
\_\_\_\_\_

(7)  $3 \overline{)1857}$

(8)  $9 \overline{)2502}$

(13)  $\frac{3}{4} =$  \_\_\_\_\_ (14)  $\frac{9}{15} =$  \_\_\_\_\_

(15)  $\frac{6}{24} =$  \_\_\_\_\_ (16)  $\frac{2}{5} =$  \_\_\_\_\_

**Answers:**

$\frac{3}{10}$   $\frac{8}{20}$

$\frac{4}{12}$   $\frac{2}{3}$

$\frac{1}{4}$   $\frac{8}{16}$

$\frac{3}{5}$   $\frac{15}{20}$



(1)  $767 + 297 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 8237 \\ \times 62 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 4827 \\ \times 84 \\ \hline \end{array}$$

(2)  $650 + 672 =$  \_\_\_\_\_

(3)  $758 - 159 =$  \_\_\_\_\_

(4)  $967 - 477 =$  \_\_\_\_\_

(7) 
$$6 \overline{)3714}$$

(8) 
$$5 \overline{)4135}$$

**Convert these decimals to percentages.**Example:  $0.5 = 50\%$ 

(9)  $0.5 =$  \_\_\_\_\_

(10)  $0.25 =$  \_\_\_\_\_

(11)  $0.4 =$  \_\_\_\_\_

(12)  $0.8 =$  \_\_\_\_\_

(13)  $0.33 =$  \_\_\_\_\_

(14)  $0.6 =$  \_\_\_\_\_

(15)  $0.75 =$  \_\_\_\_\_

(16)  $0.66 =$  \_\_\_\_\_



Answers

80% 75%

 $33\frac{1}{3}\%$  40%

60% 50%

25%  $66\frac{2}{3}\%$ 

(1)  $833 + 259 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 4095 \\ \times 26 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 5093 \\ \times 48 \\ \hline \end{array}$$

(2)  $689 + 167 =$  \_\_\_\_\_

(3)  $679 - 288 =$  \_\_\_\_\_

(4)  $975 - 126 =$  \_\_\_\_\_

(7) 
$$8 \overline{)5528}$$

(8) 
$$4 \overline{)3128}$$

**Write these number words as decimal numbers.**

(9) three point four nine two \_\_\_\_\_

(10) one hundred &amp; fifty-seven point eight \_\_\_\_\_

**Write these decimal numbers as number words.**

(11) 1.956 \_\_\_\_\_

(12) 23.78 \_\_\_\_\_

(13) 0.429 \_\_\_\_\_

(1)  $762 + 486 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 6182 \\ \times 62 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 1648 \\ \times 84 \\ \hline \end{array}$$

(2)  $815 + 448 =$  \_\_\_\_\_

(3)  $780 - 622 =$  \_\_\_\_\_

(4)  $865 - 286 =$  \_\_\_\_\_

(7) 
$$2 \overline{)1094}$$

(8) 
$$7 \overline{)6020}$$

**Finding a fraction of a quantity.**

(9)  $\frac{1}{2}$  of 64 = \_\_\_\_\_

(10)  $\frac{1}{4}$  of 64 = \_\_\_\_\_

(11)  $\frac{1}{3}$  of 24 = \_\_\_\_\_

(12)  $\frac{1}{10}$  of 39 = \_\_\_\_\_

(13)  $\frac{1}{4}$  of 120 = \_\_\_\_\_

(14)  $\frac{1}{2}$  of 150 = \_\_\_\_\_

(15)  $\frac{1}{10}$  of 270 = \_\_\_\_\_

(16)  $\frac{1}{3}$  of 240 = \_\_\_\_\_

(1)  $697 + 136 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 3740 \\ \times 26 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 2750 \\ \times 48 \\ \hline \end{array}$$

(2)  $782 + 767 =$  \_\_\_\_\_

(3)  $785 - 195 =$  \_\_\_\_\_

(4)  $791 - 314 =$  \_\_\_\_\_

(7) 
$$3 \overline{)1425}$$

(8) 
$$9 \overline{)5472}$$

**Calculate the change in temperatures.**(9) Starting temperature  $6^{\circ}\text{C}$ , rises  $5^{\circ}\text{C}$ . \_\_\_\_\_(10) Starting temperature  $3^{\circ}\text{C}$ , drops  $11^{\circ}\text{C}$ . \_\_\_\_\_(11) Starting temperature  $0^{\circ}\text{C}$ , rises  $8^{\circ}\text{C}$ . \_\_\_\_\_(12) Starting temperature  $-8^{\circ}\text{C}$ , rises  $8^{\circ}\text{C}$ . \_\_\_\_\_(13) Starting temperature  $-3^{\circ}\text{C}$ , drops  $9^{\circ}\text{C}$ . \_\_\_\_\_

(1)  $529 + 573 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 1569 \\ \times 62 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 6319 \\ \times 84 \\ \hline \end{array}$$

(2)  $393 + 297 =$  \_\_\_\_\_

(3)  $587 - 249 =$  \_\_\_\_\_

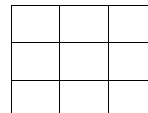
(4)  $578 - 294 =$  \_\_\_\_\_

(7) 
$$6 \overline{)4470}$$

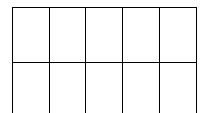
(8) 
$$5 \overline{)3040}$$

**Shade in part of each diagram to show you understand these fractions.**

(9)  $\frac{2}{3}$



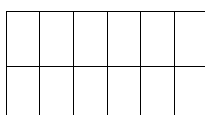
(10)  $\frac{3}{5}$



(11)  $\frac{3}{4}$



(12)  $\frac{5}{6}$



(1)  $294 + 841 =$  \_\_\_\_\_

(5)  $4095 \times 95$

(6)  $5093 \times 73$

**Round** these numbers to the nearest 10, 100 or 1000, before working out an **estimated answer**.

(2)  $988 + 115 =$  \_\_\_\_\_

(9)  $6148 + 7852 =$  \_\_\_\_\_

(3)  $758 - 188 =$  \_\_\_\_\_

(10)  $3967 - 1023 =$  \_\_\_\_\_

(4)  $841 - 409 =$  \_\_\_\_\_

(7)  $8 \overline{)6032}$

(8)  $4 \overline{)3224}$

(11)  $4230 \times 79 =$  \_\_\_\_\_

(12)  $2095 \div 7 =$  \_\_\_\_\_

(1)  $548 + 272 =$  \_\_\_\_\_

(5)  $6182 \times 59$

(6)  $1648 \times 37$

**Convert these fractions to decimals.**  
Example:  $\frac{1}{2} = 0.5$



(2)  $662 + 866 =$  \_\_\_\_\_

(9)  $\frac{1}{2} =$  \_\_\_\_\_

(10)  $\frac{1}{4} =$  \_\_\_\_\_

(3)  $873 - 158 =$  \_\_\_\_\_

(11)  $\frac{1}{3} =$  \_\_\_\_\_

(12)  $\frac{1}{5} =$  \_\_\_\_\_

(4)  $824 - 642 =$  \_\_\_\_\_

(7)  $2 \overline{)1864}$

(8)  $7 \overline{)4053}$

(13)  $\frac{3}{4} =$  \_\_\_\_\_

(14)  $\frac{2}{3} =$  \_\_\_\_\_

(15)  $\frac{1}{10} =$  \_\_\_\_\_


(16)  $\frac{3}{10} =$  \_\_\_\_\_

Answers	
0.2	0.33
0.25	0.3
0.66	0.5
0.1	0.75


(1)  $904 + 836 =$  \_\_\_\_\_

(5)  $3740 \times 95$


(6)  $2750 \times 73$

(9) How much would 9 C.D.'s at \$16.99 each cost? 

(2)  $283 + 388 =$  \_\_\_\_\_

(10) How much would 5 kilograms of meat at \$6.75 per kilogram cost? 

(3)  $644 - 384 =$  \_\_\_\_\_

(11) If 7 exercise books cost \$4.76, what is the cost of one exercise book? 

(4)  $645 - 107 =$  \_\_\_\_\_

(7)  $3 \overline{)2796}$

(8)  $9 \overline{)6831}$

(1)  $427 + 986 =$  \_\_\_\_\_

(5)  $9561 \times 59$

(6)  $9316 \times 37$

**Match these equivalent fractions.**  
Example:  $\frac{1}{2} = \frac{8}{16}$



(2)  $547 + 548 =$  \_\_\_\_\_

(9)  $\frac{1}{2} =$  \_\_\_\_\_

(10)  $\frac{8}{12} =$  \_\_\_\_\_

(3)  $992 - 345 =$  \_\_\_\_\_

(11)  $\frac{25}{30} =$  \_\_\_\_\_

(12)  $\frac{3}{4} =$  \_\_\_\_\_

(4)  $608 - 380 =$  \_\_\_\_\_

(7)  $6 \overline{)5538}$

(8)  $5 \overline{)4875}$

(13)  $\frac{3}{10} =$  \_\_\_\_\_

(14)  $\frac{6}{24} =$  \_\_\_\_\_

(15)  $\frac{21}{30} =$  \_\_\_\_\_

(16)  $\frac{3}{5} =$  \_\_\_\_\_

Answers:	
$\frac{15}{20}$	$\frac{2}{3}$
$\frac{6}{20}$	$\frac{7}{14}$
$\frac{5}{6}$	$\frac{1}{4}$
$\frac{9}{15}$	$\frac{7}{10}$

(1)  $278 + 483 =$  \_\_\_\_\_

(5)  $8237 \times 95$

(6)  $4827 \times 73$

**Multiplying and dividing decimals.**

(2)  $796 + 740 =$  \_\_\_\_\_

(9)  $2.864 \times 0.69$

(10)  $68.75 \times 3.8$

(11)  $0.8 \overline{)23.60}$

(3)  $836 - 345 =$  \_\_\_\_\_

(12)  $0.06 \overline{)2.898}$

(4)  $872 - 173 =$  \_\_\_\_\_

(7)  $8 \overline{)7456}$

(8)  $4 \overline{)3900}$

(1)  $978 + 216 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 6182 \\ \times 72 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 1648 \\ \times 94 \\ \hline \end{array}$$

**Finding a fraction of a quantity.**

(2)  $387 + 653 =$  \_\_\_\_\_

(9)  $\frac{1}{4}$  of 36 = \_\_\_\_\_

(10)  $\frac{1}{5}$  of 95 = \_\_\_\_\_

(3)  $930 - 227 =$  \_\_\_\_\_

(11)  $\frac{1}{6}$  of 42 = \_\_\_\_\_

(12)  $\frac{1}{8}$  of 64 = \_\_\_\_\_

(4)  $948 - 557 =$  \_\_\_\_\_

(7) 
$$2 \overline{)1230}$$

(8) 
$$9 \overline{)5112}$$

(13)  $\frac{1}{5}$  of 200 = \_\_\_\_\_

(14)  $\frac{1}{6}$  of 180 = \_\_\_\_\_

(15)  $\frac{1}{4}$  of 320 = \_\_\_\_\_

(16)  $\frac{1}{8}$  of 400 = \_\_\_\_\_

(1)  $290 + 956 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 3740 \\ \times 27 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 2750 \\ \times 49 \\ \hline \end{array}$$

**What is the place value of the BOLD digit in each number and what does it mean?***Example: In 4.25 the place value is  $\frac{1}{10}$ 's and it means  $\frac{2}{10}$ .*

(2)  $624 + 419 =$  \_\_\_\_\_

(9) **8.9** \_\_\_\_\_

(10) **9.4276** \_\_\_\_\_

(3)  $419 - 270 =$  \_\_\_\_\_

(11) **8.45** \_\_\_\_\_

(12) **207.6** \_\_\_\_\_

(4)  $783 - 536 =$  \_\_\_\_\_

(7) 
$$3 \overline{)2883}$$

(8) 
$$5 \overline{)4360}$$

(13) **3.07** \_\_\_\_\_

(14) **6.148** \_\_\_\_\_

(15) **1.25** \_\_\_\_\_

(16) **295.17** \_\_\_\_\_

(1)  $278 + 349 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 9561 \\ \times 72 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 6319 \\ \times 94 \\ \hline \end{array}$$

**Convert these decimals to fractions.***Example:  $0.5 = \frac{1}{2}$* 

(2)  $753 + 962 =$  \_\_\_\_\_

(9) **0.5** = \_\_\_\_\_

(10) **0.25** = \_\_\_\_\_

(3)  $680 - 161 =$  \_\_\_\_\_

(11) **0.33** = \_\_\_\_\_

(12) **0.66** = \_\_\_\_\_

(4)  $638 - 155 =$  \_\_\_\_\_

(7) 
$$6 \overline{)2982}$$

(8) 
$$4 \overline{)1400}$$

(13) **0.75** = \_\_\_\_\_

(14) **0.2** = \_\_\_\_\_

(15) **0.1** = \_\_\_\_\_

(16) **0.3** = \_\_\_\_\_

Answers

$\frac{2}{3}$     $\frac{1}{4}$

$\frac{1}{3}$     $\frac{1}{2}$

$\frac{3}{10}$     $\frac{3}{4}$

$\frac{1}{5}$     $\frac{1}{10}$

(1)  $915 + 456 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 8237 \\ \times 27 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 4827 \\ \times 49 \\ \hline \end{array}$$

**List these decimals in order of smallest to largest.**

3.12, 3.20, 3.19, 3.22, 3.17, 3.12, 3.10, 3.26

(2)  $158 + 775 =$  \_\_\_\_\_

(9) \_\_\_\_\_

4.31, 4.38, 4.40, 4.46, 4.39, 4.40, 4.42, 4.32

(3)  $679 - 288 =$  \_\_\_\_\_

(10) \_\_\_\_\_

5.39, 5.34, 5.42, 5.38, 5.40, 5.43, 5.32, 5.41

(4)  $680 - 161 =$  \_\_\_\_\_

(7) 
$$8 \overline{)1352}$$

(8) 
$$7 \overline{)1946}$$

(11) \_\_\_\_\_

(1)  $630 + 598 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 4095 \\ \times 72 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 5093 \\ \times 94 \\ \hline \end{array}$$

**Multiplying and dividing by 10, 100 or 1000.**

(9)  $0.864 \times 100 =$  \_\_\_\_\_

(10)  $3.765 \times 1000 =$  \_\_\_\_\_

(2)  $952 + 719 =$  \_\_\_\_\_

(11)  $1.695 \times 10 =$  \_\_\_\_\_

(12)  $79.16 \times 100 =$  \_\_\_\_\_

(3)  $856 - 268 =$  \_\_\_\_\_

(13)  $10.51 \times 1000 =$  \_\_\_\_\_

(14)  $52.14 \div 10 =$  \_\_\_\_\_

(4)  $814 - 490 =$  \_\_\_\_\_

(7) 
$$2 \overline{)1006}$$

(8) 
$$9 \overline{)4311}$$

(15)  $95.63 \div 100 =$  \_\_\_\_\_

(16)  $965.7 \div 1000 =$  \_\_\_\_\_

(17)  $168.7 \div 10 =$  \_\_\_\_\_

(18)  $6.942 \div 100 =$  \_\_\_\_\_

(1)  $478 + 197 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 2378 \\ \times 75 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 8274 \\ \times 86 \\ \hline \end{array}$$

Prime numbers, multiples &amp; factors

(9) List the prime numbers between 15 and 40. \_\_\_\_\_

(10) List the first 5 multiples of 7. \_\_\_\_\_

(11) List the first 5 multiples of 9. \_\_\_\_\_

(12) List the factors of 36. \_\_\_\_\_

(13) List the factors of 48. \_\_\_\_\_

(2)  $141 + 971 =$  \_\_\_\_\_

(3)  $837 - 185 =$  \_\_\_\_\_

(4)  $766 - 439 =$  \_\_\_\_\_

(7) 
$$3 \overline{)1425}$$

(8) 
$$5 \overline{)4300}$$

(1)  $645 + 509 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 9054 \\ \times 57 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 9035 \\ \times 68 \\ \hline \end{array}$$

Order of operations.

BEDMAS

(9)  $8 \times 2 + 15 =$  \_\_\_\_\_

(10)  $56 \div 7 - 4 =$  \_\_\_\_\_

(11)  $28 \div 7 + 37 =$  \_\_\_\_\_

(12)  $4 \times 6 - 19 =$  \_\_\_\_\_

(13)  $46 + 63 \div 9 =$  \_\_\_\_\_

(14)  $14 + 9 \times 5 =$  \_\_\_\_\_

(15)  $51 - 7 \times 5 =$  \_\_\_\_\_

(16)  $32 - 72 \div 8 =$  \_\_\_\_\_

(2)  $376 + 469 =$  \_\_\_\_\_

(3)  $380 - 154 =$  \_\_\_\_\_

(4)  $654 - 170 =$  \_\_\_\_\_

(7) 
$$6 \overline{)1014}$$

(8) 
$$4 \overline{)2912}$$

(1)  $471 + 878 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 1826 \\ \times 75 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 6481 \\ \times 86 \\ \hline \end{array}$$

Match these equivalent fractions.

Example:  $\frac{1}{2} = \frac{8}{16}$ 

(9)  $\frac{3}{5} =$  \_\_\_\_\_

(10)  $\frac{20}{24} =$  \_\_\_\_\_

(11)  $\frac{9}{36} =$  \_\_\_\_\_

(12)  $\frac{2}{3} =$  \_\_\_\_\_

(13)  $\frac{3}{4} =$  \_\_\_\_\_

(14)  $\frac{21}{30} =$  \_\_\_\_\_

(15)  $\frac{15}{30} =$  \_\_\_\_\_

(16)  $\frac{3}{7} =$  \_\_\_\_\_

Answers:

$\frac{1}{2}$	$\frac{18}{24}$
$\frac{5}{6}$	$\frac{9}{21}$
$\frac{15}{25}$	$\frac{1}{4}$
$\frac{7}{10}$	$\frac{12}{18}$

(2)  $708 + 594 =$  \_\_\_\_\_

(3)  $929 - 453 =$  \_\_\_\_\_

(4)  $761 - 636 =$  \_\_\_\_\_

(7) 
$$8 \overline{)3800}$$

(8) 
$$7 \overline{)4256}$$

(1)  $689 + 167 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 7403 \\ \times 57 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 7502 \\ \times 68 \\ \hline \end{array}$$

Calculate the change in temperatures.

(9) Starting temperature  $0^{\circ}\text{C}$ , rises  $6^{\circ}\text{C}$ . \_\_\_\_\_(10) Starting temperature  $40^{\circ}\text{C}$ , drops  $9^{\circ}\text{C}$ . \_\_\_\_\_(11) Starting temperature  $5^{\circ}\text{C}$ , rises  $7^{\circ}\text{C}$ . \_\_\_\_\_(12) Starting temperature  $-8^{\circ}\text{C}$ , rises  $9^{\circ}\text{C}$ . \_\_\_\_\_(13) Starting temperature  $-6^{\circ}\text{C}$ , drops  $5^{\circ}\text{C}$ . \_\_\_\_\_

(2)  $762 + 786 =$  \_\_\_\_\_

(3)  $952 - 648 =$  \_\_\_\_\_

(4)  $827 - 137 =$  \_\_\_\_\_

(7) 
$$2 \overline{)1654}$$

(8) 
$$9 \overline{)1521}$$

(1)  $918 + 927 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 5619 \\ \times 75 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 3169 \\ \times 86 \\ \hline \end{array}$$

Convert these percentages to decimals.

Example:  $50\% = 0.5$ 

(9)  $25\% =$  \_\_\_\_\_

(10)  $50\% =$  \_\_\_\_\_

(11)  $33\frac{1}{3}\% =$  \_\_\_\_\_

(12)  $75\% =$  \_\_\_\_\_

(13)  $10\% =$  \_\_\_\_\_

(14)  $40\% =$  \_\_\_\_\_

(15)  $90\% =$  \_\_\_\_\_

(16)  $66\frac{2}{3}\% =$  \_\_\_\_\_

Answers

0.75	0.33
0.9	0.25
0.4	0.1
0.5	0.66

(2)  $548 + 272 =$  \_\_\_\_\_

(3)  $903 - 272 =$  \_\_\_\_\_

(4)  $363 - 269 =$  \_\_\_\_\_

(7) 
$$3 \overline{)1176}$$

(8) 
$$5 \overline{)3795}$$

(1)  $662 + 866 =$  \_\_\_\_\_

5. 
$$\begin{array}{r} 3782 \\ \times 83 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 2748 \\ \times 96 \\ \hline \end{array}$$

(9) **Add up Karen's shopping list prices.**

\$18.95

\$25.70

\$30.25

\$27.35

+ \$9.85

(10) If Karen paid for her items with six \$20.00 notes, how much change would she get back? \_\_\_\_\_

(2)  $914 + 246 =$  \_\_\_\_\_

(3)  $951 - 305 =$  \_\_\_\_\_

(4)  $737 - 565 =$  \_\_\_\_\_

7. 
$$6 \overline{)4524}$$

8. 
$$4 \overline{)3440}$$

(1)  $387 + 653 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 9540 \\ \times 38 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 9350 \\ \times 69 \\ \hline \end{array}$$

**Convert these decimals to percentages.**Example:  $0.5 = 50\%$ 

(2)  $290 + 956 =$  \_\_\_\_\_

(3)  $806 - 511 =$  \_\_\_\_\_

(4)  $594 - 186 =$  \_\_\_\_\_

(7) 
$$8 \overline{)2344}$$

(8) 
$$7 \overline{)4053}$$

(9)  $0.65 =$  \_\_\_\_\_

(10)  $0.9 =$  \_\_\_\_\_

(11)  $0.33 =$  \_\_\_\_\_

(12)  $0.75 =$  \_\_\_\_\_

(13)  $0.5 =$  \_\_\_\_\_

(14)  $0.05 =$  \_\_\_\_\_

(15)  $0.66 =$  \_\_\_\_\_

(16)  $0.25 =$  \_\_\_\_\_

Answers

 $33\frac{1}{3}\%$  5%

75% 65%

25%  $66\frac{2}{3}\%$ 

90% 50%

(1)  $749 + 536 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 8261 \\ \times 83 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 4816 \\ \times 96 \\ \hline \end{array}$$

**Round these numbers to the nearest 100.**

(2)  $149 + 682 =$  \_\_\_\_\_

(3)  $642 - 546 =$  \_\_\_\_\_

(4)  $865 - 286 =$  \_\_\_\_\_

(7) 
$$2 \overline{)1360}$$

(8) 
$$9 \overline{)4275}$$

(9)  $856$  \_\_\_\_\_

(10)  $173$  \_\_\_\_\_

(11)  $739$  \_\_\_\_\_

(12)  $349$  \_\_\_\_\_

(13)  $264$  \_\_\_\_\_

(14)  $647$  \_\_\_\_\_

**Round these numbers to the nearest 1000.**

(15)  $2485$  \_\_\_\_\_

(16)  $9450$  \_\_\_\_\_

(17)  $7812$  \_\_\_\_\_

(18)  $6705$  \_\_\_\_\_

(19)  $4145$  \_\_\_\_\_

(20)  $6500$  \_\_\_\_\_

(1)  $562 + 975 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 4037 \\ \times 38 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 5027 \\ \times 69 \\ \hline \end{array}$$

**Finding a fraction of a quantity.**

(2)  $768 + 329 =$  \_\_\_\_\_

(3)  $766 - 493 =$  \_\_\_\_\_

(4)  $758 - 159 =$  \_\_\_\_\_

(7) 
$$3 \overline{)1704}$$

(8) 
$$5 \overline{)3075}$$

(9)  $\frac{1}{2}$  of 47 = \_\_\_\_\_

(10)  $\frac{1}{3}$  of 48 = \_\_\_\_\_

(11)  $\frac{1}{7}$  of 56 = \_\_\_\_\_

(12)  $\frac{1}{10}$  of 95 = \_\_\_\_\_

(13)  $\frac{1}{3}$  of 210 = \_\_\_\_\_

(14)  $\frac{1}{7}$  of 140 = \_\_\_\_\_

(15)  $\frac{1}{10}$  of 340 = \_\_\_\_\_

(16)  $\frac{1}{2}$  of 276 = \_\_\_\_\_

(1)  $463 + 287 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 6195 \\ \times 83 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 1693 \\ \times 96 \\ \hline \end{array}$$

**Write these number words as decimal numbers.**

(2)  $580 + 984 =$  \_\_\_\_\_

(3)  $982 - 689 =$  \_\_\_\_\_

(4)  $308 - 145 =$  \_\_\_\_\_

(7) 
$$6 \overline{)5538}$$

(8) 
$$4 \overline{)2316}$$

(9) ten point five six three \_\_\_\_\_

(10) seven point eight nine four \_\_\_\_\_

**Write these decimal numbers as number words.**

(11) 5.623 \_\_\_\_\_

(12) 147.8 \_\_\_\_\_

(13) 92.64 \_\_\_\_\_

- (1)  $788 + 903 =$  \_\_\_\_\_
- (2)  $697 + 136 =$  \_\_\_\_\_
- (3)  $717 - 666 =$  \_\_\_\_\_
- (4)  $964 - 749 =$  \_\_\_\_\_
- (5) 
$$\begin{array}{r} 7823 \\ \times 26 \\ \hline \end{array}$$
- (6) 
$$\begin{array}{r} 7482 \\ \times 48 \\ \hline \end{array}$$
- (7) 
$$\begin{array}{r} 8 \overline{)4544} \\ \underline{80} \phantom{00} \\ 74 \phantom{00} \\ \underline{720} \phantom{00} \\ 244 \phantom{00} \\ \underline{240} \phantom{00} \\ 40 \phantom{00} \\ \underline{40} \phantom{00} \\ 0 \phantom{00} \end{array}$$
- (8) 
$$\begin{array}{r} 7 \overline{)3927} \\ \underline{21} \phantom{00} \\ 18 \phantom{00} \\ \underline{14} \phantom{00} \\ 42 \phantom{00} \\ \underline{28} \phantom{00} \\ 14 \phantom{00} \\ \underline{14} \phantom{00} \\ 0 \phantom{00} \end{array}$$

**Convert these fractions to decimals.**

Example:  $\frac{1}{2} = 0.5$

- (9)  $\frac{1}{4} =$  \_\_\_\_\_
- (10)  $\frac{1}{5} =$  \_\_\_\_\_
- (11)  $\frac{1}{2} =$  \_\_\_\_\_
- (12)  $\frac{1}{3} =$  \_\_\_\_\_
- (13)  $\frac{2}{3} =$  \_\_\_\_\_
- (14)  $\frac{7}{10} =$  \_\_\_\_\_
- (15)  $\frac{2}{5} =$  \_\_\_\_\_
- (16)  $\frac{3}{4} =$  \_\_\_\_\_



Answers

0.33 0.7  
0.4 0.25  
0.75 0.66  
0.2 0.5

- (1)  $782 + 767 =$  \_\_\_\_\_
- (2)  $659 + 405 =$  \_\_\_\_\_
- (3)  $795 - 299 =$  \_\_\_\_\_
- (4)  $529 - 486 =$  \_\_\_\_\_
- (5) 
$$\begin{array}{r} 5409 \\ \times 62 \\ \hline \end{array}$$
- (6) 
$$\begin{array}{r} 3509 \\ \times 84 \\ \hline \end{array}$$
- (7) 
$$\begin{array}{r} 2 \overline{)1158} \\ \underline{4} \phantom{00} \\ 75 \phantom{00} \\ \underline{74} \phantom{00} \\ 18 \phantom{00} \\ \underline{16} \phantom{00} \\ 28 \phantom{00} \\ \underline{26} \phantom{00} \\ 28 \phantom{00} \\ \underline{26} \phantom{00} \\ 28 \phantom{00} \\ \underline{26} \phantom{00} \\ 28 \phantom{00} \\ \underline{26} \phantom{00} \\ 28 \phantom{00} \end{array}$$
- (8) 
$$\begin{array}{r} 9 \overline{)2637} \\ \underline{18} \phantom{00} \\ 83 \phantom{00} \\ \underline{81} \phantom{00} \\ 27 \phantom{00} \\ \underline{27} \phantom{00} \\ 0 \phantom{00} \end{array}$$

(9) How much would 8 C.D.'s at \$27.45 each cost? \_\_\_\_\_



(10) How much would 3 kilograms of meat at \$12.85 per kilogram cost? \_\_\_\_\_

(11) If 5 exercise books cost \$6.75, what is the cost of one exercise book? \_\_\_\_\_



- (1)  $283 + 388 =$  \_\_\_\_\_
- (2)  $427 + 986 =$  \_\_\_\_\_
- (3)  $636 - 296 =$  \_\_\_\_\_
- (4)  $480 - 376 =$  \_\_\_\_\_
- (5) 
$$\begin{array}{r} 2618 \\ \times 26 \\ \hline \end{array}$$
- (6) 
$$\begin{array}{r} 8164 \\ \times 48 \\ \hline \end{array}$$
- (7) 
$$\begin{array}{r} 3 \overline{)2922} \\ \underline{9} \phantom{00} \\ 20 \phantom{00} \\ \underline{18} \phantom{00} \\ 22 \phantom{00} \\ \underline{21} \phantom{00} \\ 12 \phantom{00} \\ \underline{12} \phantom{00} \\ 0 \phantom{00} \end{array}$$
- (8) 
$$\begin{array}{r} 5 \overline{)2650} \\ \underline{25} \phantom{00} \\ 15 \phantom{00} \\ \underline{15} \phantom{00} \\ 10 \phantom{00} \\ \underline{10} \phantom{00} \\ 0 \phantom{00} \end{array}$$

**Calculate the change in temperatures.**

(9) Starting temperature  $3^{\circ}\text{C}$ , drops  $9^{\circ}\text{C}$ . \_\_\_\_\_

(10) Starting temperature  $70^{\circ}\text{C}$ , rises  $5^{\circ}\text{C}$ . \_\_\_\_\_

(11) Starting temperature  $0^{\circ}\text{C}$ , drops  $6^{\circ}\text{C}$ . \_\_\_\_\_

(12) Starting temperature  $-8^{\circ}\text{C}$ , rises  $10^{\circ}\text{C}$ . \_\_\_\_\_

(13) Starting temperature  $-5^{\circ}\text{C}$ , drops  $4^{\circ}\text{C}$ . \_\_\_\_\_

- (1)  $539 + 806 =$  \_\_\_\_\_
- (2)  $278 + 349 =$  \_\_\_\_\_
- (3)  $491 - 196 =$  \_\_\_\_\_
- (4)  $915 - 350 =$  \_\_\_\_\_
- (5) 
$$\begin{array}{r} 3074 \\ \times 62 \\ \hline \end{array}$$
- (6) 
$$\begin{array}{r} 2075 \\ \times 84 \\ \hline \end{array}$$
- (7) 
$$\begin{array}{r} 6 \overline{)3516} \\ \underline{12} \phantom{00} \\ 23 \phantom{00} \\ \underline{18} \phantom{00} \\ 51 \phantom{00} \\ \underline{48} \phantom{00} \\ 36 \phantom{00} \\ \underline{36} \phantom{00} \\ 0 \phantom{00} \end{array}$$
- (8) 
$$\begin{array}{r} 4 \overline{)2064} \\ \underline{16} \phantom{00} \\ 46 \phantom{00} \\ \underline{36} \phantom{00} \\ 10 \phantom{00} \\ \underline{8} \phantom{00} \\ 26 \phantom{00} \\ \underline{24} \phantom{00} \\ 24 \phantom{00} \\ \underline{24} \phantom{00} \\ 0 \phantom{00} \end{array}$$

**Multiplying and dividing by 10, 100 or 1000.**

(9)  $9.345 \times 100 =$  \_\_\_\_\_

(10)  $1.56 \times 1000 =$  \_\_\_\_\_

(11)  $8.572 \times 10 =$  \_\_\_\_\_

(12)  $87.54 \times 100 =$  \_\_\_\_\_

(13)  $0.1681 \times 1000 =$  \_\_\_\_\_

(14)  $23.95 \div 10 =$  \_\_\_\_\_

(15)  $962.5 \div 100 =$  \_\_\_\_\_

(16)  $9120 \div 1000 =$  \_\_\_\_\_

(17)  $37.98 \div 10 =$  \_\_\_\_\_

(18)  $56.74 \div 100 =$  \_\_\_\_\_

- (1)  $753 + 962 =$  \_\_\_\_\_
- (2)  $908 + 173 =$  \_\_\_\_\_
- (3)  $945 - 861 =$  \_\_\_\_\_
- (4)  $975 - 126 =$  \_\_\_\_\_
- (5) 
$$\begin{array}{r} 1956 \\ \times 26 \\ \hline \end{array}$$
- (6) 
$$\begin{array}{r} 6931 \\ \times 48 \\ \hline \end{array}$$
- (7) 
$$\begin{array}{r} 8 \overline{)3832} \\ \underline{16} \phantom{00} \\ 22 \phantom{00} \\ \underline{16} \phantom{00} \\ 63 \phantom{00} \\ \underline{56} \phantom{00} \\ 72 \phantom{00} \\ \underline{72} \phantom{00} \\ 0 \phantom{00} \end{array}$$
- (8) 
$$\begin{array}{r} 7 \overline{)3710} \\ \underline{21} \phantom{00} \\ 16 \phantom{00} \\ \underline{14} \phantom{00} \\ 21 \phantom{00} \\ \underline{21} \phantom{00} \\ 0 \phantom{00} \end{array}$$

**Read each statement and write the information as a fraction.** Example: 3 out of 4 is written as  $\frac{3}{4}$

(9) Abbey scored 17 out of 20 in a test. \_\_\_\_\_

(10) It rained 23 days out of 30 days. \_\_\_\_\_

(11) It was sunny 5 days last week. \_\_\_\_\_

(12) What fraction of your class are girls? \_\_\_\_\_





(1)  $369 + 378 =$  \_\_\_\_\_

(5)  $9054$   
 $\times 59$

(6)  $9035$   
 $\times 37$

(2)  $311 + 893 =$  \_\_\_\_\_

(3)  $780 - 622 =$  \_\_\_\_\_

(4)  $724 - 364 =$  \_\_\_\_\_

(7)  $2 \overline{)1276}$

(8)  $6 \overline{)4314}$

**Convert these decimals to fractions.**Example:  $0.5 = \frac{1}{2}$ 

(9)  $0.25 =$  \_\_\_\_\_

(10)  $0.3 =$  \_\_\_\_\_

(11)  $0.6 =$  \_\_\_\_\_

(12)  $0.5 =$  \_\_\_\_\_

(13)  $0.75 =$  \_\_\_\_\_

(14)  $0.33 =$  \_\_\_\_\_

(15)  $0.66 =$  \_\_\_\_\_

(16)  $0.9 =$  \_\_\_\_\_



Answers

$\frac{9}{10}$   $\frac{3}{5}$

$\frac{1}{2}$   $\frac{1}{4}$

$\frac{3}{4}$   $\frac{3}{10}$

$\frac{1}{3}$   $\frac{2}{3}$

(1)  $833 + 259 =$  \_\_\_\_\_

(5)  $1826$   
 $\times 95$

(6)  $6481$   
 $\times 73$

(2)  $767 + 297 =$  \_\_\_\_\_

(3)  $785 - 195 =$  \_\_\_\_\_

(4)  $791 - 314 =$  \_\_\_\_\_

(7)  $4 \overline{)2184}$

(8)  $9 \overline{)5130}$

**Finding a fraction of a quantity.**

(9)  $\frac{1}{3}$  of 69 = \_\_\_\_\_

(10)  $\frac{1}{5}$  of 85 = \_\_\_\_\_

(11)  $\frac{1}{4}$  of 48 = \_\_\_\_\_

(12)  $\frac{1}{9}$  of 81 = \_\_\_\_\_

(13)  $\frac{1}{5}$  of 465 = \_\_\_\_\_

(14)  $\frac{1}{3}$  of 270 = \_\_\_\_\_

(15)  $\frac{1}{9}$  of 270 = \_\_\_\_\_

(16)  $\frac{1}{4}$  of 360 = \_\_\_\_\_

(1)  $650 + 672 =$  \_\_\_\_\_

(5)  $7403$   
 $\times 59$

(6)  $7502$   
 $\times 37$

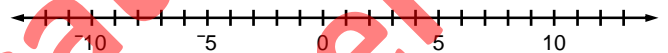
(2)  $904 + 836 =$  \_\_\_\_\_

(3)  $587 - 249 =$  \_\_\_\_\_

(4)  $928 - 698 =$  \_\_\_\_\_

(7)  $7 \overline{)1995}$

(8)  $5 \overline{)3355}$

**Add these positive and negative numbers**

(9)  $4 + 9 =$  \_\_\_\_\_

(10)  $-8 + 9 =$  \_\_\_\_\_

(11)  $8 + 3 =$  \_\_\_\_\_

(12)  $5 + -4 =$  \_\_\_\_\_

(13)  $-9 + 7 =$  \_\_\_\_\_

(14)  $6 + 7 =$  \_\_\_\_\_

(15)  $6 + -8 =$  \_\_\_\_\_

(16)  $-5 + -2 =$  \_\_\_\_\_



(1)  $393 + 297 =$  \_\_\_\_\_

(5)  $5619$   
 $\times 95$

(6)  $3169$   
 $\times 73$

(2)  $294 + 841 =$  \_\_\_\_\_

(3)  $946 - 794 =$  \_\_\_\_\_

(4)  $670 - 249 =$  \_\_\_\_\_

(7)  $3 \overline{)2769}$

(8)  $8 \overline{)6960}$

**Round these numbers to the nearest 10, 100 or 1000, before working out an estimated answer.**

(9)  $986 + 4321$  + \_\_\_\_\_ = \_\_\_\_\_

(10)  $6209 - 3894$  - \_\_\_\_\_ = \_\_\_\_\_

(11)  $3759 \times 103$   $\times$  \_\_\_\_\_ = \_\_\_\_\_

(12)  $6109 \div 6$   $\div$  \_\_\_\_\_ = \_\_\_\_\_

(1)  $915 + 456 =$  \_\_\_\_\_

(5)  $2378$   
 $\times 59$

(6)  $8274$   
 $\times 37$

(2)  $278 + 483 =$  \_\_\_\_\_

(3)  $941 - 832 =$  \_\_\_\_\_

(4)  $759 - 299 =$  \_\_\_\_\_

(7)  $2 \overline{)1092}$

(8)  $6 \overline{)3420}$

**What is the place value of the BOLD digit in each number and what does it mean?**Example: In 4.**2**5 the place value is  $\frac{1}{10}$ 's and it means  $\frac{2}{10}$ .

(9) **9**.4 \_\_\_\_\_

(10) 76.**4**28 \_\_\_\_\_

(11) **7**.68 \_\_\_\_\_

(12) **3**72.3 \_\_\_\_\_

(13) 3.**0**9 \_\_\_\_\_

(14) **6**.14**6** \_\_\_\_\_

(15) **4**.75 \_\_\_\_\_

(16) **8**14.7**2** \_\_\_\_\_

(1)  $796 + 740 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 9540 \\ \times 27 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 9350 \\ \times 49 \\ \hline \end{array}$$

**Match these equivalent fractions.**Example:  $\frac{1}{2} = \frac{8}{16}$ 

(2)  $918 + 927 =$  \_\_\_\_\_

(9)  $\frac{1}{2} =$  \_\_\_\_\_

(10)  $\frac{24}{32} =$  \_\_\_\_\_

(3)  $408 - 367 =$  \_\_\_\_\_

(11)  $\frac{18}{20} =$  \_\_\_\_\_

(12)  $\frac{1}{3} =$  \_\_\_\_\_

(4)  $590 - 423 =$  \_\_\_\_\_

(7) 
$$4 \overline{)2328}$$

(8) 
$$9 \overline{)1584}$$

(13)  $\frac{5}{7} =$  \_\_\_\_\_

(14)  $\frac{18}{30} =$  \_\_\_\_\_

(15)  $\frac{16}{28} =$  \_\_\_\_\_

(16)  $\frac{4}{5} =$  \_\_\_\_\_

Answers:

$\frac{9}{27}$   $\frac{3}{4}$

$\frac{3}{5}$   $\frac{24}{30}$

$\frac{9}{10}$   $\frac{16}{32}$

$\frac{15}{21}$   $\frac{4}{7}$

(1)  $158 + 775 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 8261 \\ \times 72 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 4816 \\ \times 94 \\ \hline \end{array}$$

**Read each statement and write the information as a fraction.** Example: 3 out of 4 is written as  $\frac{3}{4}$ 

(2)  $630 + 598 =$  \_\_\_\_\_

(9) Abbey scored 45 out of 50 in a test. \_\_\_\_\_

(3)  $453 - 127 =$  \_\_\_\_\_

(10) It rained 21 days out of 30 days. \_\_\_\_\_

(4)  $419 - 169 =$  \_\_\_\_\_

(7) 
$$7 \overline{)3213}$$

(8) 
$$5 \overline{)2980}$$

(11) It was sunny 6 days last week. \_\_\_\_\_

(12) What fraction of your class are boys? \_\_\_\_\_



(1)  $788 + 903 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 4037 \\ \times 27 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 5027 \\ \times 49 \\ \hline \end{array}$$

**Convert these percentages to decimals.**

Example: 50% = 0.5



(2)  $478 + 197 =$  \_\_\_\_\_

(9) 25% = \_\_\_\_\_

(10) 5% = \_\_\_\_\_

(3)  $759 - 261 =$  \_\_\_\_\_

(11)  $66\frac{2}{3}\% =$  \_\_\_\_\_

(12) 10% = \_\_\_\_\_

(4)  $691 - 508 =$  \_\_\_\_\_

(7) 
$$3 \overline{)2862}$$

(8) 
$$8 \overline{)4768}$$

(13) 90% = \_\_\_\_\_

(14)  $33\frac{1}{3}\% =$  \_\_\_\_\_

(15) 60% = \_\_\_\_\_

(16) 75% = \_\_\_\_\_

Answers

0.6 0.66

0.05 0.9

0.33 0.25

0.1 0.75

(1)  $141 + 971 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 6195 \\ \times 72 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 1693 \\ \times 94 \\ \hline \end{array}$$

**Calculate the squares of these numbers.**

(9)  $4^2 =$  \_\_\_\_\_

(10)  $11^2 =$  \_\_\_\_\_

(11)  $6^2 =$  \_\_\_\_\_

(2)  $815 + 448 =$  \_\_\_\_\_

(12)  $12^2 =$  \_\_\_\_\_

(13)  $7^2 =$  \_\_\_\_\_

(14)  $15^2 =$  \_\_\_\_\_

(3)  $652 - 417 =$  \_\_\_\_\_

**Calculate the square roots of these numbers.**

(15)  $\sqrt{144} =$  \_\_\_\_\_

(16)  $\sqrt{81} =$  \_\_\_\_\_

(17)  $\sqrt{100} =$  \_\_\_\_\_

(4)  $807 - 226 =$  \_\_\_\_\_

(7) 
$$2 \overline{)1704}$$

(8) 
$$6 \overline{)3702}$$

(18)  $\sqrt{64} =$  \_\_\_\_\_

(19)  $\sqrt{225} =$  \_\_\_\_\_

(20)  $\sqrt{25} =$  \_\_\_\_\_

(1)  $387 + 653 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 3782 \\ \times 27 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 2748 \\ \times 49 \\ \hline \end{array}$$

**List these decimals in order of largest to smallest.**

2.61, 2.58, 2.62, 2.59, 2.60, 2.63, 2.67, 2.53

(2)  $290 + 956 =$  \_\_\_\_\_

(9) \_\_\_\_\_

1.16, 1.18, 1.09, 1.13, 1.07, 1.01, 1.14, 1.19, 1.08

(3)  $916 - 145 =$  \_\_\_\_\_

(10) \_\_\_\_\_

6.73, 6.69, 6.72, 6.68, 6.72, 6.63, 6.70, 6.69

(4)  $584 - 307 =$  \_\_\_\_\_

(7) 
$$4 \overline{)1980}$$

(8) 
$$9 \overline{)5364}$$

(11) \_\_\_\_\_

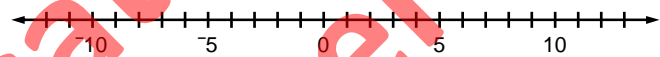

- (1)  $659 + 405 =$  \_\_\_\_\_
- (2)  $376 + 469 =$  \_\_\_\_\_
- (3)  $950 - 555 =$  \_\_\_\_\_
- (4)  $578 - 294 =$  \_\_\_\_\_
- (5) 
$$\begin{array}{r} 5409 \\ \times 57 \\ \hline \end{array}$$
- (6) 
$$\begin{array}{r} 3509 \\ \times 68 \\ \hline \end{array}$$
- (7) 
$$7 \overline{)2051}$$
- (8) 
$$5 \overline{)4035}$$

- Multiplying and dividing by 10, 100 or 1000.**
- (9)  $86.47 \times 100 =$  \_\_\_\_\_
- (10)  $2.984 \times 1000 =$  \_\_\_\_\_
- (11)  $237.4 \times 10 =$  \_\_\_\_\_
- (12)  $63.78 \times 100 =$  \_\_\_\_\_
- (13)  $7.135 \times 1000 =$  \_\_\_\_\_
- (14)  $947.5 \div 10 =$  \_\_\_\_\_
- (15)  $69.37 \div 100 =$  \_\_\_\_\_
- (16)  $376.1 \div 1000 =$  \_\_\_\_\_
- (17)  $840.6 \div 10 =$  \_\_\_\_\_
- (18)  $451.8 \div 100 =$  \_\_\_\_\_


- (1)  $471 + 878 =$  \_\_\_\_\_
- (2)  $547 + 548 =$  \_\_\_\_\_
- (3)  $706 - 492 =$  \_\_\_\_\_
- (4)  $976 - 477 =$  \_\_\_\_\_
- (5) 
$$\begin{array}{r} 2618 \\ \times 75 \\ \hline \end{array}$$
- (6) 
$$\begin{array}{r} 8164 \\ \times 86 \\ \hline \end{array}$$
- (7) 
$$3 \overline{)2556}$$
- (8) 
$$8 \overline{)1408}$$

- Write these number words as decimal numbers.**
- (9) five hundred & one point three seven \_\_\_\_\_
- (10) four point nine eight five \_\_\_\_\_
- Write these decimal numbers as number words.**
- (11) 451.8 \_\_\_\_\_
- (12) 6.792 \_\_\_\_\_
- (13) 18.056 \_\_\_\_\_

- (1)  $548 + 272 =$  \_\_\_\_\_
- (2)  $662 + 866 =$  \_\_\_\_\_
- (3)  $785 - 188 =$  \_\_\_\_\_
- (4)  $419 - 328 =$  \_\_\_\_\_
- (5) 
$$\begin{array}{r} 3074 \\ \times 57 \\ \hline \end{array}$$
- (6) 
$$\begin{array}{r} 2075 \\ \times 68 \\ \hline \end{array}$$
- (7) 
$$2 \overline{)1908}$$
- (8) 
$$6 \overline{)3954}$$

- Add these positive and negative numbers**
- 
- (9)  $8 + 5 =$  \_\_\_\_\_
- (10)  $-6 + 8 =$  \_\_\_\_\_
- (11)  $3 + 9 =$  \_\_\_\_\_
- (12)  $5 + -10 =$  \_\_\_\_\_
- (13)  $-5 + 7 =$  \_\_\_\_\_
- (14)  $4 + 8 =$  \_\_\_\_\_
- (15)  $4 + -9 =$  \_\_\_\_\_
- (16)  $-6 + -3 =$  \_\_\_\_\_
- 

- (1)  $914 + 246 =$  \_\_\_\_\_
- (2)  $689 + 167 =$  \_\_\_\_\_
- (3)  $905 - 234 =$  \_\_\_\_\_
- (4)  $842 - 624 =$  \_\_\_\_\_
- (5) 
$$\begin{array}{r} 1956 \\ \times 75 \\ \hline \end{array}$$
- (6) 
$$\begin{array}{r} 6931 \\ \times 86 \\ \hline \end{array}$$
- (7) 
$$4 \overline{)1316}$$
- (8) 
$$9 \overline{)6372}$$

- Convert these decimals to percentages.**
- Example: 0.5 = 50%*
- (9) 0.25 = \_\_\_\_\_
- (10) 0.8 = \_\_\_\_\_
- (11) 0.66 = \_\_\_\_\_
- (12) 0.15 = \_\_\_\_\_
- (13) 0.05 = \_\_\_\_\_
- (14) 0.5 = \_\_\_\_\_
- (15) 0.75 = \_\_\_\_\_
- (16) 0.33 = \_\_\_\_\_
- 
- Answers**

15% 66 $\frac{2}{3}$ %

75% 25%

33 $\frac{1}{3}$ % 5%

80% 50%

- (1)  $762 + 486 =$  \_\_\_\_\_
- (2)  $952 + 719 =$  \_\_\_\_\_
- (3)  $744 - 648 =$  \_\_\_\_\_
- (4)  $534 - 271 =$  \_\_\_\_\_
- (5) 
$$\begin{array}{r} 7823 \\ \times 57 \\ \hline \end{array}$$
- (6) 
$$\begin{array}{r} 7482 \\ \times 68 \\ \hline \end{array}$$
- (7) 
$$7 \overline{)2702}$$
- (8) 
$$5 \overline{)4585}$$

- Finding a fraction of a quantity.**
- (9)  $\frac{1}{4}$  of 52 = \_\_\_\_\_
- (10)  $\frac{1}{6}$  of 72 = \_\_\_\_\_
- (11)  $\frac{1}{7}$  of 63 = \_\_\_\_\_
- (12)  $\frac{1}{10}$  of 99 = \_\_\_\_\_
- (13)  $\frac{1}{4}$  of 280 = \_\_\_\_\_
- (14)  $\frac{1}{10}$  of 275 = \_\_\_\_\_
- (15)  $\frac{1}{6}$  of 420 = \_\_\_\_\_
- (16)  $\frac{1}{7}$  of 490 = \_\_\_\_\_

(1)  $149 + 682 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 1826 \\ \times 38 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 6481 \\ \times 69 \\ \hline \end{array}$$

**Round** these numbers to the nearest 10, 100 or 1000, before working out an **estimated answer**.

(2)  $562 + 975 =$  \_\_\_\_\_

(9)  $9231 + 7905$

+ \_\_\_\_\_ = \_\_\_\_\_

(3)  $919 - 780 =$  \_\_\_\_\_

(10)  $6675 - 2310$

- \_\_\_\_\_ = \_\_\_\_\_

(4)  $680 - 308 =$  \_\_\_\_\_

(7) 
$$3 \overline{)1962}$$

(8) 
$$8 \overline{)4560}$$

(11)  $4056 \times 186$

 $\times$  \_\_\_\_\_ = \_\_\_\_\_

(12)  $5496 \div 5$

 $\div$  \_\_\_\_\_ = \_\_\_\_\_

(1)  $529 + 573 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 7403 \\ \times 83 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 7502 \\ \times 96 \\ \hline \end{array}$$

**Calculate the change in temperatures.**

(2)  $278 + 349 =$  \_\_\_\_\_

(9) Starting temperature  $6^{\circ}\text{C}$ , drops  $12^{\circ}\text{C}$ .

(3)  $893 - 374 =$  \_\_\_\_\_

(10) Starting temperature  $3^{\circ}\text{C}$ , rises  $8^{\circ}\text{C}$ .

(4)  $526 - 174 =$  \_\_\_\_\_

(7) 
$$2 \overline{)1864}$$

(8) 
$$6 \overline{)4680}$$

(11) Starting temperature  $0^{\circ}\text{C}$ , drops  $7^{\circ}\text{C}$ .

(12) Starting temperature  $-6^{\circ}\text{C}$ , rises  $9^{\circ}\text{C}$ .

(13) Starting temperature  $-8^{\circ}\text{C}$ , drops  $5^{\circ}\text{C}$ .

(1)  $753 + 962 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 5619 \\ \times 38 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 3169 \\ \times 69 \\ \hline \end{array}$$

**Convert these fractions to decimals.**Example:  $\frac{1}{2} = 0.5$ 

(2)  $539 + 806 =$  \_\_\_\_\_

(9)  $\frac{1}{3} =$  \_\_\_\_\_

(10)  $\frac{1}{2} =$  \_\_\_\_\_

(3)  $548 - 370 =$  \_\_\_\_\_

(11)  $\frac{1}{5} =$  \_\_\_\_\_

(12)  $\frac{1}{4} =$  \_\_\_\_\_

(4)  $894 - 755 =$  \_\_\_\_\_

(7) 
$$4 \overline{)2732}$$

(8) 
$$9 \overline{)1773}$$

(13)  $\frac{2}{3} =$  \_\_\_\_\_

(14)  $\frac{9}{10} =$  \_\_\_\_\_

(15)  $\frac{3}{4} =$  \_\_\_\_\_

(16)  $\frac{4}{5} =$  \_\_\_\_\_

Answers

0.25 0.2

0.9 0.33


0.5 0.8

0.66 0.75


(1)  $463 + 287 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 2378 \\ \times 83 \\ \hline \end{array}$$


(6) 
$$\begin{array}{r} 8274 \\ \times 96 \\ \hline \end{array}$$

(9) How much would 6 C.D.'s at \$32.95 each cost? \_\_\_\_\_ 

(2)  $580 + 984 =$  \_\_\_\_\_

(10) How much would 4 kilograms of meat at \$9.85 per kilogram cost? \_\_\_\_\_ 

(3)  $491 - 207 =$  \_\_\_\_\_

(11) If 9 exercise books cost \$9.45, what is the cost of one exercise book? \_\_\_\_\_ 

(4)  $905 - 555 =$  \_\_\_\_\_

(7) 
$$7 \overline{)4515}$$

(8) 
$$5 \overline{)3750}$$

(1)  $978 + 216 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 5904 \\ \times 38 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 9035 \\ \times 69 \\ \hline \end{array}$$

**Finding a percentage of a quantity.** **%**

(2)  $283 + 388 =$  \_\_\_\_\_

(9) 50% of 42 = \_\_\_\_\_

(10) 25% of 24 = \_\_\_\_\_

(3)  $967 - 477 =$  \_\_\_\_\_

(11) 10% of 15 = \_\_\_\_\_

(12)  $33\frac{1}{3}\%$  of 36 = \_\_\_\_\_

(4)  $833 - 515 =$  \_\_\_\_\_

(7) 
$$3 \overline{)2508}$$

(8) 
$$8 \overline{)5752}$$

(13) 10% of 347 = \_\_\_\_\_

(14) 50% of 160 = \_\_\_\_\_

(15)  $33\frac{1}{3}\%$  of 120 = \_\_\_\_\_

(16) 25% of 280 = \_\_\_\_\_

(1)  $149 + 975 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 1549 \\ \times 57 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 7093 \\ \times 93 \\ \hline \end{array}$$

**Order of operations.****BEDMAS**

(2)  $471 + 879 =$  \_\_\_\_\_

(9)  $6 \times 6 + 49 =$  \_\_\_\_\_

(10)  $49 \div 7 - 6 =$  \_\_\_\_\_

(3)  $810 - 695 =$  \_\_\_\_\_

(11)  $63 \div 9 + 15 =$  \_\_\_\_\_

(12)  $8 \times 8 - 37 =$  \_\_\_\_\_

(4)  $645 - 498 =$  \_\_\_\_\_

(7) 
$$2 \overline{)1846}$$

(8) 
$$8 \overline{)5752}$$

(13)  $14 + 48 \div 8 =$  \_\_\_\_\_

(14)  $45 + 9 \times 6 =$  \_\_\_\_\_

(15)  $63 - 9 \times 4 =$  \_\_\_\_\_

(16)  $72 - 81 \div 9 =$  \_\_\_\_\_

(1)  $976 + 748 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 4962 \\ \times 92 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 3951 \\ \times 74 \\ \hline \end{array}$$

**What is the place value of the BOLD digit in each number and what does it mean?***Example: In 4.25 the place value is  $\frac{1}{10}$ 's and it means  $\frac{2}{10}$ .*

(2)  $667 + 868 =$  \_\_\_\_\_

(9) **9.3** \_\_\_\_\_

(10) **74.363** \_\_\_\_\_

(3)  $761 - 579 =$  \_\_\_\_\_

(11) **4.52** \_\_\_\_\_

(12) **273.9** \_\_\_\_\_

(4)  $734 - 497 =$  \_\_\_\_\_

(7) 
$$5 \overline{)3415}$$

(8) 
$$9 \overline{)4104}$$

(13) **2.09** \_\_\_\_\_

(14) **6.418** \_\_\_\_\_

(15) **7.23** \_\_\_\_\_

(16) **614.75** \_\_\_\_\_

(1)  $298 + 954 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 7260 \\ \times 56 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 5419 \\ \times 87 \\ \hline \end{array}$$

**Multiplying and dividing by powers of 10.**

(9)  $5.6 \times 10^2 =$  \_\_\_\_\_

(10)  $2.9 \times 10^3 =$  \_\_\_\_\_

(2)  $856 + 397 =$  \_\_\_\_\_

(11)  $1.7 \div 10^3 =$  \_\_\_\_\_

(12)  $3.4 \div 10^2 =$  \_\_\_\_\_

(3)  $902 - 739 =$  \_\_\_\_\_

(13)  $9.2 \times 10^4 =$  \_\_\_\_\_

(4)  $976 - 599 =$  \_\_\_\_\_

(7) 
$$6 \overline{)5736}$$

(8) 
$$8 \overline{)6240}$$

(14)  $7.5 \times 10^6 =$  \_\_\_\_\_

(15)  $4.9 \div 10^5 =$  \_\_\_\_\_



(1)  $586 + 985 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 3670 \\ \times 63 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 2964 \\ \times 98 \\ \hline \end{array}$$

**Convert these decimals to fractions.***Example:  $0.5 = \frac{1}{2}$* 

(2)  $786 + 769 =$  \_\_\_\_\_

(9)  $0.33 =$  \_\_\_\_\_

(10)  $0.25 =$  \_\_\_\_\_

(3)  $812 - 538 =$  \_\_\_\_\_

(11)  $0.9 =$  \_\_\_\_\_

(12)  $0.4 =$  \_\_\_\_\_

(4)  $704 - 528 =$  \_\_\_\_\_

(7) 
$$8 \overline{)4552}$$

(8) 
$$6 \overline{)4248}$$

(13)  $0.75 =$  \_\_\_\_\_

(14)  $0.5 =$  \_\_\_\_\_

(15)  $0.1 =$  \_\_\_\_\_

(16)  $0.66 =$  \_\_\_\_\_

**Answers**

$\frac{9}{10}$   $\frac{1}{3}$

$\frac{3}{4}$   $\frac{1}{2}$

$\frac{1}{10}$   $\frac{2}{5}$

$\frac{1}{4}$   $\frac{2}{3}$

(1)  $842 + 998 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 1935 \\ \times 82 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 2760 \\ \times 64 \\ \hline \end{array}$$

**Read each statement and write the information as a fraction.** *Example: 3 out of 4 is written as  $\frac{3}{4}$* 

(2)  $753 + 967 =$  \_\_\_\_\_

(9) **Abbey scored 85 out of 100 in a test.** \_\_\_\_\_

(3)  $420 - 137 =$  \_\_\_\_\_

(10) **It rained 12 days out of 60 days.** \_\_\_\_\_

(4)  $918 - 429 =$  \_\_\_\_\_

(7) 
$$4 \overline{)3344}$$

(8) 
$$5 \overline{)2730}$$

(11) **It was sunny 2 days last week.** \_\_\_\_\_

(12) **What fraction of your class likes maths?** \_\_\_\_\_



(1)  $317 + 894 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 3709 \\ \times 75 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 2964 \\ \times 39 \\ \hline \end{array}$$

**Finding a fraction of a quantity.**

(2)  $965 + 367 =$  \_\_\_\_\_

(9)  $\frac{1}{3}$  of 36 = \_\_\_\_\_

(10)  $\frac{1}{9}$  of 63 = \_\_\_\_\_

(3)  $741 - 478 =$  \_\_\_\_\_

(11)  $\frac{1}{10}$  of 47 = \_\_\_\_\_

(12)  $\frac{1}{12}$  of 24 = \_\_\_\_\_

(4)  $805 - 347 =$  \_\_\_\_\_

(7) 
$$9 \overline{)8388}$$

(8) 
$$2 \overline{)1942}$$

(13)  $\frac{1}{9}$  of 450 = \_\_\_\_\_

(14)  $\frac{1}{3}$  of 330 = \_\_\_\_\_

(15)  $\frac{1}{12}$  of 360 = \_\_\_\_\_

(16)  $\frac{1}{10}$  of 256 = \_\_\_\_\_

(1)  $298 + 848 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 3519 \\ \times 92 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 2706 \\ \times 27 \\ \hline \end{array}$$

**Convert these percentages to decimals.**

Example: 50% = 0.5



(2)  $792 + 748 =$  \_\_\_\_\_

(9) 5% = \_\_\_\_\_

(10) 95% = \_\_\_\_\_

Answers

(3)  $321 - 192 =$  \_\_\_\_\_

(11)  $33\frac{1}{3}\%$  = \_\_\_\_\_

(12) 10% = \_\_\_\_\_

0.1 0.33

(4)  $903 - 698 =$  \_\_\_\_\_

(7) 
$$7 \overline{)5250}$$

(8) 
$$9 \overline{)6039}$$

(13) 25% = \_\_\_\_\_

(14)  $66\frac{2}{3}\%$  = \_\_\_\_\_

0.75 0.05

(15) 40% = \_\_\_\_\_

(16) 75% = \_\_\_\_\_

0.66 0.25

0.95 0.4

(1)  $637 + 597 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 4519 \\ \times 65 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 3097 \\ \times 78 \\ \hline \end{array}$$

**Finding a percentage of a quantity.****%**

(2)  $578 + 597 =$  \_\_\_\_\_

(9) 25% of 48 = \_\_\_\_\_

(10) 10% of 65 = \_\_\_\_\_

(3)  $941 - 383 =$  \_\_\_\_\_

(11) 40% of 50 = \_\_\_\_\_

(12) 50% of 84 = \_\_\_\_\_

(4)  $812 - 443 =$  \_\_\_\_\_

(7) 
$$3 \overline{)2115}$$

(8) 
$$7 \overline{)5012}$$

(13) 10% of 175 = \_\_\_\_\_

(14) 40% of 300 = \_\_\_\_\_

(15) 25% of 200 = \_\_\_\_\_

(16) 50% of 465 = \_\_\_\_\_

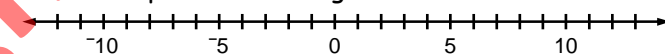
(1)  $764 + 696 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 9624 \\ \times 36 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 3915 \\ \times 89 \\ \hline \end{array}$$

**Add these positive and negative numbers**

(2)  $895 + 676 =$  \_\_\_\_\_



(3)  $720 - 389 =$  \_\_\_\_\_

(9)  $6 + 7 =$  \_\_\_\_\_

(10)  $-10 + 8 =$  \_\_\_\_\_

(4)  $853 - 497 =$  \_\_\_\_\_

(7) 
$$3 \overline{)2556}$$

(8) 
$$6 \overline{)5670}$$

(11)  $8 + 5 =$  \_\_\_\_\_

(12)  $9 + -6 =$  \_\_\_\_\_

(13)  $-7 + 6 =$  \_\_\_\_\_

(14)  $3 + 8 =$  \_\_\_\_\_

(15)  $3 + -9 =$  \_\_\_\_\_

(16)  $-4 + -3 =$  \_\_\_\_\_



(1)  $488 + 726 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 2067 \\ \times 28 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 4915 \\ \times 46 \\ \hline \end{array}$$

**Order of operations.****BEDMAS**

(2)  $487 + 753 =$  \_\_\_\_\_

(9)  $3 \times 7 + 34 =$  \_\_\_\_\_

(10)  $14 \div 2 - 5 =$  \_\_\_\_\_

(3)  $416 - 289 =$  \_\_\_\_\_

(11)  $48 \div 6 + 17 =$  \_\_\_\_\_

(12)  $8 \times 7 - 43 =$  \_\_\_\_\_

(4)  $502 - 354 =$  \_\_\_\_\_

(7) 
$$4 \overline{)3300}$$

(8) 
$$7 \overline{)4158}$$

(13)  $23 + 45 \div 9 =$  \_\_\_\_\_

(14)  $75 + 2 \times 9 =$  \_\_\_\_\_

(15)  $63 - 8 \times 3 =$  \_\_\_\_\_

(16)  $31 - 64 \div 8 =$  \_\_\_\_\_



(1)  $849 + 382 =$  \_\_\_\_\_  
 (2)  $634 + 879 =$  \_\_\_\_\_  
 (3)  $640 - 456 =$  \_\_\_\_\_  
 (4)  $931 - 587 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 4962 \\ \times 57 \\ \hline \end{array}$$
 (6) 
$$\begin{array}{r} 5319 \\ \times 93 \\ \hline \end{array}$$

(7) 
$$7 \overline{)4697}$$
 (8) 
$$9 \overline{)5364}$$

**Convert these decimals to percentages.**

Example:  $0.5 = 50\%$

(9)  $0.15 =$  \_\_\_\_\_ (10)  $0.5 =$  \_\_\_\_\_  
 (11)  $0.3 =$  \_\_\_\_\_ (12)  $0.75 =$  \_\_\_\_\_  
 (13)  $0.45 =$  \_\_\_\_\_ (14)  $0.33 =$  \_\_\_\_\_  
 (15)  $0.66 =$  \_\_\_\_\_ (16)  $0.25 =$  \_\_\_\_\_



**Answers**

75% 66 $\frac{2}{3}$ %  
 45% 15%  
 33 $\frac{1}{3}$ % 30%  
 50% 25%

(1)  $979 + 368 =$  \_\_\_\_\_  
 (2)  $783 + 588 =$  \_\_\_\_\_  
 (3)  $825 - 546 =$  \_\_\_\_\_  
 (4)  $540 - 161 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 7260 \\ \times 92 \\ \hline \end{array}$$
 (6) 
$$\begin{array}{r} 4519 \\ \times 74 \\ \hline \end{array}$$

(7) 
$$3 \overline{)2283}$$
 (8) 
$$7 \overline{)6755}$$

**Multiplying and dividing by powers of 10.**

(9)  $6.9 \times 10^2 =$  \_\_\_\_\_ (10)  $9.2 \times 10^3 =$  \_\_\_\_\_  
 (11)  $7.3 \div 10^3 =$  \_\_\_\_\_ (12)  $1.5 \div 10^2 =$  \_\_\_\_\_  
 (13)  $3.6 \times 10^5 =$  \_\_\_\_\_  
 (14)  $8.2 \times 10^6 =$  \_\_\_\_\_  
 (15)  $4.7 \div 10^4 =$  \_\_\_\_\_



(1)  $789 + 494 =$  \_\_\_\_\_  
 (2)  $269 + 978 =$  \_\_\_\_\_  
 (3)  $774 - 289 =$  \_\_\_\_\_  
 (4)  $684 - 396 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 9027 \\ \times 56 \\ \hline \end{array}$$
 (6) 
$$\begin{array}{r} 4962 \\ \times 87 \\ \hline \end{array}$$

(7) 
$$4 \overline{)2184}$$
 (8) 
$$5 \overline{)4260}$$

(9) How much would 9 C.D.'s at \$23.95 each cost? \_\_\_\_\_



(10) How much would 2 kilograms of meat at \$17.45 per kilogram cost? \_\_\_\_\_



(11) If 7 exercise books cost \$9.59, what is the cost of one exercise book? \_\_\_\_\_



(1)  $672 + 978 =$  \_\_\_\_\_  
 (2)  $936 + 974 =$  \_\_\_\_\_  
 (3)  $702 - 187 =$  \_\_\_\_\_  
 (4)  $953 - 484 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 3915 \\ \times 63 \\ \hline \end{array}$$
 (6) 
$$\begin{array}{r} 2670 \\ \times 98 \\ \hline \end{array}$$

(7) 
$$5 \overline{)3270}$$
 (8) 
$$9 \overline{)7425}$$

**Order of operations.**

**BEDMAS**

(9)  $4 \times 9 + 29 =$  \_\_\_\_\_ (10)  $27 \div 3 - 8 =$  \_\_\_\_\_  
 (11)  $36 \div 6 + 17 =$  \_\_\_\_\_ (12)  $4 \times 6 - 15 =$  \_\_\_\_\_  
 (13)  $32 + 56 \div 8 =$  \_\_\_\_\_ (14)  $37 + 6 \times 8 =$  \_\_\_\_\_  
 (15)  $92 - 8 \times 9 =$  \_\_\_\_\_ (16)  $34 - 54 \div 6 =$  \_\_\_\_\_

(1)  $578 + 883 =$  \_\_\_\_\_  
 (2)  $958 + 275 =$  \_\_\_\_\_  
 (3)  $836 - 378 =$  \_\_\_\_\_  
 (4)  $530 - 264 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 1549 \\ \times 82 \\ \hline \end{array}$$
 (6) 
$$\begin{array}{r} 7039 \\ \times 64 \\ \hline \end{array}$$

(7) 
$$2 \overline{)1942}$$
 (8) 
$$8 \overline{)5640}$$

**Multiplying and dividing decimals.**

(9) 
$$\begin{array}{r} 18.75 \\ \times 4.7 \\ \hline \end{array}$$
 (10) 
$$\begin{array}{r} 24.93 \\ \times 0.29 \\ \hline \end{array}$$
 (11) 
$$0.9 \overline{)170.1}$$

(12) 
$$0.05 \overline{)2.425}$$

(1)  $837 + 296 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 3915 \\ \times 75 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 7026 \\ \times 39 \\ \hline \end{array}$$

Finding a percentage of a quantity.

**%**

(2)  $949 + 861 =$  \_\_\_\_\_

(9)  $33\frac{1}{3}\%$  of 21 = \_\_\_\_\_

(10) 25% of 32 = \_\_\_\_\_

(3)  $416 - 289 =$  \_\_\_\_\_

(11) 50% of 65 = \_\_\_\_\_

(12) 20% of 40 = \_\_\_\_\_

(4)  $645 - 498 =$  \_\_\_\_\_

(7) 
$$9 \overline{)7119}$$

(8) 
$$2 \overline{)1410}$$

(13) 20% of 120 = \_\_\_\_\_

(14) 50% of 428 = \_\_\_\_\_

(15) 25% of 160 = \_\_\_\_\_

(16)  $33\frac{1}{3}\%$  of 240 = \_\_\_\_\_

(1)  $695 + 746 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 5419 \\ \times 29 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 9037 \\ \times 47 \\ \hline \end{array}$$

Round these numbers to the nearest 10, 100 or 1000, before working out an estimated answer.

(2)  $978 + 947 =$  \_\_\_\_\_

(9)  $6842 + 3342 =$  \_\_\_\_\_

(3)  $763 - 396 =$  \_\_\_\_\_

(10)  $9137 - 5768 =$  \_\_\_\_\_

(4)  $918 - 429 =$  \_\_\_\_\_

(7) 
$$6 \overline{)4680}$$

(8) 
$$8 \overline{)5104}$$

(11)  $2759 \times 394 =$  \_\_\_\_\_

(12)  $5394 \div 9 =$  \_\_\_\_\_

(1)  $787 + 935 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 4926 \\ \times 65 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 5931 \\ \times 78 \\ \hline \end{array}$$

Order of operations.

**BEDMAS**

(2)  $853 + 488 =$  \_\_\_\_\_

(9)  $4 \times 7 + 34 =$  \_\_\_\_\_

(10)  $30 \div 6 - 5 =$  \_\_\_\_\_

(3)  $927 - 279 =$  \_\_\_\_\_

(11)  $42 \div 7 + 28 =$  \_\_\_\_\_

(12)  $8 \times 7 - 19 =$  \_\_\_\_\_

(4)  $551 - 276 =$  \_\_\_\_\_

(7) 
$$8 \overline{)6960}$$

(8) 
$$6 \overline{)5016}$$

(13)  $14 + 54 \div 9 =$  \_\_\_\_\_

(14)  $23 + 6 \times 8 =$  \_\_\_\_\_

(15)  $61 - 8 \times 5 =$  \_\_\_\_\_

(16)  $41 - 18 \div 3 =$  \_\_\_\_\_

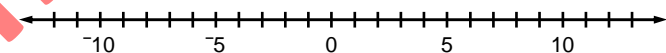
(1)  $957 + 358 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 6027 \\ \times 36 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 4915 \\ \times 89 \\ \hline \end{array}$$

Add these positive and negative numbers

(2)  $892 + 779 =$  \_\_\_\_\_



(3)  $806 - 117 =$  \_\_\_\_\_

(9)  $5 + 6 =$  \_\_\_\_\_

(10)  $-7 + 9 =$  \_\_\_\_\_

(4)  $910 - 478 =$  \_\_\_\_\_

(7) 
$$3 \overline{)2835}$$

(8) 
$$6 \overline{)5592}$$

(11)  $7 + 4 =$  \_\_\_\_\_

(12)  $5 + -8 =$  \_\_\_\_\_

(13)  $-5 + 9 =$  \_\_\_\_\_

(14)  $9 + 3 =$  \_\_\_\_\_

(15)  $3 + -11 =$  \_\_\_\_\_

(16)  $-5 + -6 =$  \_\_\_\_\_



(1)  $794 + 326 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 9037 \\ \times 28 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 4926 \\ \times 46 \\ \hline \end{array}$$

Convert these fractions to decimals.

Example:  $\frac{1}{2} = 0.5$ 

(2)  $693 + 459 =$  \_\_\_\_\_

(9)  $\frac{1}{5} =$  \_\_\_\_\_

(10)  $\frac{1}{4} =$  \_\_\_\_\_

(3)  $623 - 365 =$  \_\_\_\_\_

(11)  $\frac{1}{2} =$  \_\_\_\_\_

(12)  $\frac{1}{3} =$  \_\_\_\_\_

(4)  $814 - 265 =$  \_\_\_\_\_

(7) 
$$4 \overline{)3816}$$

(8) 
$$7 \overline{)2744}$$

(13)  $\frac{3}{4} =$  \_\_\_\_\_

(14)  $\frac{1}{10} =$  \_\_\_\_\_

(15)  $\frac{3}{10} =$  \_\_\_\_\_

(16)  $\frac{2}{3} =$  \_\_\_\_\_



Answers

0.25 0.75

0.1 0.2

0.33 0.66

0.3 0.5

(1)  $596 + 538 =$  \_\_\_\_\_  
 (2)  $598 + 926 =$  \_\_\_\_\_  
 (3)  $467 - 168 =$  \_\_\_\_\_  
 (4)  $962 - 386 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 7062 \\ \times 57 \\ \hline \end{array}$$
 (6) 
$$\begin{array}{r} 1419 \\ \times 93 \\ \hline \end{array}$$

(7) 
$$6 \overline{)5178}$$
 (8) 
$$8 \overline{)5232}$$

(9) **Add up Karen's shopping list prices.**

\$25.95  
 \$75.40  
 \$105.15  
 \$12.64  
 + \$9.85  
 \_\_\_\_\_  
 \_\_\_\_\_



(10) If Karen paid for her items with twelve \$20.00 notes, how much change would she get back?  
 \_\_\_\_\_  
 \_\_\_\_\_

(1)  $654 + 598 =$  \_\_\_\_\_  
 (2)  $979 + 956 =$  \_\_\_\_\_  
 (3)  $915 - 759 =$  \_\_\_\_\_  
 (4)  $602 - 275 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 3079 \\ \times 92 \\ \hline \end{array}$$
 (6) 
$$\begin{array}{r} 2694 \\ \times 74 \\ \hline \end{array}$$

(7) 
$$3 \overline{)2895}$$
 (8) 
$$7 \overline{)6090}$$

**Order of operations.**

**BEDMAS**

(9)  $5 \times 6 + 23 =$  \_\_\_\_\_ (10)  $24 \div 3 - 7 =$  \_\_\_\_\_  
 (11)  $63 \div 7 + 56 =$  \_\_\_\_\_ (12)  $6 \times 4 - 18 =$  \_\_\_\_\_  
 (13)  $17 + 45 \div 5 =$  \_\_\_\_\_ (14)  $29 + 7 \times 9 =$  \_\_\_\_\_  
 (15)  $90 - 2 \times 6 =$  \_\_\_\_\_ (16)  $42 - 40 \div 8 =$  \_\_\_\_\_

(1)  $598 + 862 =$  \_\_\_\_\_  
 (2)  $985 + 157 =$  \_\_\_\_\_  
 (3)  $931 - 245 =$  \_\_\_\_\_  
 (4)  $620 - 153 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 5913 \\ \times 56 \\ \hline \end{array}$$
 (6) 
$$\begin{array}{r} 2067 \\ \times 87 \\ \hline \end{array}$$

(7) 
$$4 \overline{)3300}$$
 (8) 
$$5 \overline{)4770}$$

**Convert these decimals to fractions.**

Example:  $0.5 = \frac{1}{2}$

(9)  $0.7 =$  \_\_\_\_\_ (10)  $0.33 =$  \_\_\_\_\_  
 (11)  $0.25 =$  \_\_\_\_\_ (12)  $0.4 =$  \_\_\_\_\_  
 (13)  $0.5 =$  \_\_\_\_\_ (14)  $0.75 =$  \_\_\_\_\_  
 (15)  $0.66 =$  \_\_\_\_\_ (16)  $0.3 =$  \_\_\_\_\_



Answers	
$\frac{2}{5}$	$\frac{1}{3}$
$\frac{3}{4}$	$\frac{1}{2}$
$\frac{3}{10}$	$\frac{7}{10}$
$\frac{2}{3}$	$\frac{1}{4}$

(1)  $764 + 949 =$  \_\_\_\_\_  
 (2)  $678 + 654 =$  \_\_\_\_\_  
 (3)  $763 - 396 =$  \_\_\_\_\_  
 (4)  $951 - 164 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 5941 \\ \times 63 \\ \hline \end{array}$$
 (6) 
$$\begin{array}{r} 3097 \\ \times 98 \\ \hline \end{array}$$

(7) 
$$9 \overline{)6345}$$
 (8) 
$$2 \overline{)1432}$$

**Read each statement and write the information as a fraction.** Example: 3 out of 4 is written as  $\frac{3}{4}$

(9) Abbey scored 56 out of 80 in a test. \_\_\_\_\_  
 (10) It rained 13 days out of 52 days. \_\_\_\_\_  
 (11) It was sunny 6 days last week. \_\_\_\_\_  
 (12) What fraction of your class likes cats? \_\_\_\_\_



(1)  $878 + 539 =$  \_\_\_\_\_  
 (2)  $989 + 136 =$  \_\_\_\_\_  
 (3)  $830 - 652 =$  \_\_\_\_\_  
 (4)  $927 - 279 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 4962 \\ \times 82 \\ \hline \end{array}$$
 (6) 
$$\begin{array}{r} 9315 \\ \times 64 \\ \hline \end{array}$$

(7) 
$$2 \overline{)1500}$$
 (8) 
$$8 \overline{)5728}$$

**Multiplying and dividing by powers of 10.**

(9)  $9.6 \times 10^2 =$  \_\_\_\_\_ (10)  $5.1 \times 10^3 =$  \_\_\_\_\_  
 (11)  $4.7 \div 10^3 =$  \_\_\_\_\_ (12)  $6.3 \div 10^2 =$  \_\_\_\_\_  
 (13)  $2.3 \times 10^4 =$  \_\_\_\_\_  
 (14)  $3.7 \times 10^6 =$  \_\_\_\_\_  
 (15)  $9.5 \div 10^5 =$  \_\_\_\_\_



(1)  $149 + 975 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 2748 \\ \times 57 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 3950 \\ \times 39 \\ \hline \end{array}$$

What is the **place value** of the **BOLD** digit in each number and what does it mean?

*Example:* In **4.25** the place value is  $\frac{1}{10}$ 's and it means  $\frac{2}{10}$ .

(2)  $856 + 397 =$  \_\_\_\_\_

(9) **6.8** \_\_\_\_\_

(10) **12.943** \_\_\_\_\_

(3)  $810 - 695 =$  \_\_\_\_\_

(11) **9.42** \_\_\_\_\_

(12) **375.9** \_\_\_\_\_

(4)  $976 - 599 =$  \_\_\_\_\_

(7) 
$$8 \overline{)6688}$$

(8) 
$$6 \overline{)3276}$$

(13) **6.09** \_\_\_\_\_

(14) **9.742** \_\_\_\_\_

(15) **3.46** \_\_\_\_\_

(16) **614.34** \_\_\_\_\_

(1)  $317 + 894 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 4816 \\ \times 92 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 2750 \\ \times 74 \\ \hline \end{array}$$

Finding a percentage of a quantity. **%**

(2)  $578 + 597 =$  \_\_\_\_\_

(9) **25%** of 28 = \_\_\_\_\_

(10) **40%** of 50 = \_\_\_\_\_

(3)  $741 - 478 =$  \_\_\_\_\_

(11)  **$33\frac{1}{3}\%$**  of 36 = \_\_\_\_\_

(12)  **$66\frac{2}{3}\%$**  of 24 = \_\_\_\_\_

(4)  $812 - 443 =$  \_\_\_\_\_

(7) 
$$3 \overline{)2796}$$

(8) 
$$6 \overline{)4314}$$

(13) **40%** of 150 = \_\_\_\_\_

(14)  **$33\frac{1}{3}\%$**  of 180 = \_\_\_\_\_

(15) **25%** of 240 = \_\_\_\_\_

(16)  **$66\frac{2}{3}\%$**  of 300 = \_\_\_\_\_

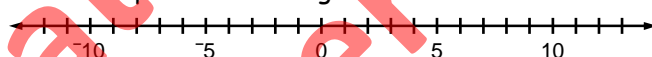
(1)  $849 + 382 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 9316 \\ \times 56 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 4827 \\ \times 87 \\ \hline \end{array}$$

Add these positive and negative numbers

(2)  $269 + 978 =$  \_\_\_\_\_



(3)  $640 - 456 =$  \_\_\_\_\_

(9) **7 + 5 =** \_\_\_\_\_

(10) **-12 + 8 =** \_\_\_\_\_

(4)  $684 - 396 =$  \_\_\_\_\_

(7) 
$$5 \overline{)4125}$$

(8) 
$$9 \overline{)4941}$$

(11) **9 + 4 =** \_\_\_\_\_

(12) **7 + -13 =** \_\_\_\_\_

(13) **-8 + 10 =** \_\_\_\_\_

(14) **9 + 6 =** \_\_\_\_\_

(15) **7 + -12 =** \_\_\_\_\_

(16) **-5 + -4 =** \_\_\_\_\_



(1)  $837 + 296 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 5039 \\ \times 63 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 6814 \\ \times 98 \\ \hline \end{array}$$

Convert these percentages to decimals.

*Example:* 50% = 0.5



(2)  $853 + 488 =$  \_\_\_\_\_

(9) **20%** = \_\_\_\_\_

(10) **50%** = \_\_\_\_\_

(3)  $416 - 289 =$  \_\_\_\_\_

(11)  **$66\frac{2}{3}\%$**  = \_\_\_\_\_

(12) **95%** = \_\_\_\_\_

(4)  $551 - 276 =$  \_\_\_\_\_

(7) 
$$7 \overline{)6755}$$

(8) 
$$9 \overline{)7020}$$

(13) **5%** = \_\_\_\_\_

(14)  **$33\frac{1}{3}\%$**  = \_\_\_\_\_

(15) **25%** = \_\_\_\_\_

(16) **75%** = \_\_\_\_\_

Answers	
0.5	0.05
0.33	0.2
0.75	0.66
0.95	0.25

(1)  $596 + 538 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 5027 \\ \times 82 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 1693 \\ \times 64 \\ \hline \end{array}$$

Order of operations.

**BEDMAS**

(2)  $985 + 157 =$  \_\_\_\_\_

(9)  **$9 \times 9 + 45 =$**  \_\_\_\_\_

(10)  **$21 \div 3 - 5 =$**  \_\_\_\_\_

(3)  $467 - 168 =$  \_\_\_\_\_

(11)  **$42 \div 7 + 17 =$**  \_\_\_\_\_

(12)  **$6 \times 8 - 29 =$**  \_\_\_\_\_

(4)  $620 - 153 =$  \_\_\_\_\_

(7) 
$$4 \overline{)3728}$$

(8) 
$$7 \overline{)6419}$$

(13)  **$26 + 40 \div 5 =$**  \_\_\_\_\_

(14)  **$17 + 9 \times 4 =$**  \_\_\_\_\_

(15)  **$82 - 6 \times 4 =$**  \_\_\_\_\_

(16)  **$34 - 40 \div 8 =$**  \_\_\_\_\_

(1)  $471 + 879 =$  \_\_\_\_\_  
 (2)  $586 + 985 =$  \_\_\_\_\_  
 (3)  $645 - 498 =$  \_\_\_\_\_  
 (4)  $812 - 538 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 3059 \\ \times 75 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 1846 \\ \times 93 \\ \hline \end{array}$$

(7) 
$$3 \overline{)2157}$$

(8) 
$$6 \overline{)3420}$$

**Multiplying and dividing by powers of 10.**

(9)  $6.7 \times 10^3 =$  \_\_\_\_\_ (10)  $4.8 \times 10^2 =$  \_\_\_\_\_  
 (11)  $1.9 \div 10^2 =$  \_\_\_\_\_ (12)  $3.6 \div 10^3 =$  \_\_\_\_\_  
 (13)  $5.1 \times 10^4 =$  \_\_\_\_\_  
 (14)  $2.4 \times 10^5 =$  \_\_\_\_\_  
 (15)  $8.2 \div 10^5 =$  \_\_\_\_\_



(1)  $965 + 367 =$  \_\_\_\_\_  
 (2)  $764 + 696 =$  \_\_\_\_\_  
 (3)  $805 - 347 =$  \_\_\_\_\_  
 (4)  $720 - 389 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 7025 \\ \times 29 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 3961 \\ \times 47 \\ \hline \end{array}$$

(7) 
$$8 \overline{)5232}$$

(8) 
$$6 \overline{)4950}$$

**Multiplying and dividing decimals.**

(9) 
$$\begin{array}{r} 3.195 \\ \times 8.3 \\ \hline \end{array}$$

(10) 
$$\begin{array}{r} 24.68 \\ \times 0.65 \\ \hline \end{array}$$

(11) 
$$0.8 \overline{)14.24}$$

(12) 
$$0.06 \overline{)1.782}$$

(1)  $634 + 879 =$  \_\_\_\_\_  
 (2)  $672 + 978 =$  \_\_\_\_\_  
 (3)  $931 - 587 =$  \_\_\_\_\_  
 (4)  $702 - 187 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 2784 \\ \times 65 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 3950 \\ \times 78 \\ \hline \end{array}$$

(7) 
$$7 \overline{)5460}$$

(8) 
$$9 \overline{)5742}$$

**Convert these decimals to percentages.**  
 Example:  $0.5 = 50\%$

(9)  $0.33 =$  \_\_\_\_\_ (10)  $0.65 =$  \_\_\_\_\_  
 (11)  $0.4 =$  \_\_\_\_\_ (12)  $0.9 =$  \_\_\_\_\_  
 (13)  $0.10 =$  \_\_\_\_\_ (14)  $0.66 =$  \_\_\_\_\_  
 (15)  $0.25 =$  \_\_\_\_\_ (16)  $0.75 =$  \_\_\_\_\_



Answers	
25%	90%
75%	$66\frac{2}{3}\%$
40%	65%
$33\frac{1}{3}\%$	10%

(1)  $949 + 861 =$  \_\_\_\_\_  
 (2)  $957 + 358 =$  \_\_\_\_\_  
 (3)  $645 - 498 =$  \_\_\_\_\_  
 (4)  $806 - 117 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 8416 \\ \times 36 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 2750 \\ \times 98 \\ \hline \end{array}$$

(7) 
$$5 \overline{)2970}$$

(8) 
$$9 \overline{)2961}$$

**Order of operations. BEDMAS**

(9)  $2 \times 6 + 27 =$  \_\_\_\_\_ (10)  $42 \div 6 - 7 =$  \_\_\_\_\_  
 (11)  $49 \div 7 + 35 =$  \_\_\_\_\_ (12)  $9 \times 8 - 53 =$  \_\_\_\_\_  
 (13)  $64 + 32 \div 4 =$  \_\_\_\_\_ (14)  $29 + 6 \times 5 =$  \_\_\_\_\_  
 (15)  $91 - 6 \times 9 =$  \_\_\_\_\_ (16)  $81 - 56 \div 8 =$  \_\_\_\_\_


(1)  $598 + 926 =$  \_\_\_\_\_  
 (2)  $764 + 949 =$  \_\_\_\_\_  
 (3)  $962 - 386 =$  \_\_\_\_\_  
 (4)  $763 - 396 =$  \_\_\_\_\_


(5) 
$$\begin{array}{r} 9631 \\ \times 28 \\ \hline \end{array}$$


(6) 
$$\begin{array}{r} 4728 \\ \times 46 \\ \hline \end{array}$$

(7) 
$$4 \overline{)2196}$$

(8) 
$$5 \overline{)4615}$$

(10) How much would 7 C.D.'s at \$25.65 each cost? \_\_\_\_\_ 

(10) How much would 3 kilograms of meat at \$13.45 per kilogram cost? \_\_\_\_\_ 

(11) If 8 exercise books cost \$10.24, what is the cost of one exercise book? \_\_\_\_\_ 

(1)  $976 + 748 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 4816 \\ \times 57 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 5027 \\ \times 39 \\ \hline \end{array}$$

Finding a percentage of a quantity.

**%**

(2)  $786 + 769 =$  \_\_\_\_\_

(9)  $10\% \text{ of } 87 =$  \_\_\_\_\_

(10)  $25\% \text{ of } 60 =$  \_\_\_\_\_

(3)  $761 - 579 =$  \_\_\_\_\_

(11)  $75\% \text{ of } 24 =$  \_\_\_\_\_

(12)  $33\frac{1}{3}\% \text{ of } 27 =$  \_\_\_\_\_

(4)  $704 - 528 =$  \_\_\_\_\_

(7) 
$$3 \overline{)6960}$$

(8) 
$$7 \overline{)5852}$$

(13)  $10\% \text{ of } 154 =$  \_\_\_\_\_

(14)  $25\% \text{ of } 280 =$  \_\_\_\_\_

(15)  $75\% \text{ of } 200 =$  \_\_\_\_\_

(16)  $33\frac{1}{3}\% \text{ of } 360 =$  \_\_\_\_\_

(1)  $298 + 848 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 3916 \\ \times 92 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 2748 \\ \times 74 \\ \hline \end{array}$$

Order of operations.

**BEDMAS**

(2)  $895 + 676 =$  \_\_\_\_\_

(9)  $6 \times 7 + 39 =$  \_\_\_\_\_

(10)  $18 \div 2 - 8 =$  \_\_\_\_\_

(3)  $321 - 192 =$  \_\_\_\_\_

(11)  $32 \div 4 + 17 =$  \_\_\_\_\_

(12)  $6 \times 8 - 39 =$  \_\_\_\_\_

(4)  $853 - 497 =$  \_\_\_\_\_

(7) 
$$6 \overline{)2790}$$

(8) 
$$8 \overline{)2280}$$

(13)  $45 + 27 \div 9 =$  \_\_\_\_\_

(14)  $27 + 7 \times 5 =$  \_\_\_\_\_

(15)  $82 - 7 \times 5 =$  \_\_\_\_\_

(16)  $51 - 8 \div 4 =$  \_\_\_\_\_

(1)  $979 + 368 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 9350 \\ \times 56 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 4816 \\ \times 87 \\ \hline \end{array}$$

Round these numbers to the nearest 10, 100 or 1000, before working out an estimated answer.

(2)  $936 + 974 =$  \_\_\_\_\_

(9)  $4096 + 8765 =$  \_\_\_\_\_

(3)  $825 - 546 =$  \_\_\_\_\_

(10)  $9843 - 5048 =$  \_\_\_\_\_

(4)  $953 - 484 =$  \_\_\_\_\_

(7) 
$$4 \overline{)3884}$$

(8) 
$$7 \overline{)3990}$$

(11)  $3460 \times 492 =$  \_\_\_\_\_

(12)  $3157 \div 8 =$  \_\_\_\_\_

(1)  $695 + 746 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 5027 \\ \times 63 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 1639 \\ \times 98 \\ \hline \end{array}$$

Convert these fractions to decimals.

Example:  $\frac{1}{2} = 0.5$ 

(2)  $892 + 779 =$  \_\_\_\_\_

(9)  $\frac{1}{2} =$  \_\_\_\_\_

(10)  $\frac{1}{5} =$  \_\_\_\_\_

(3)  $763 - 396 =$  \_\_\_\_\_

(11)  $\frac{1}{4} =$  \_\_\_\_\_

(12)  $\frac{1}{3} =$  \_\_\_\_\_

(4)  $910 - 478 =$  \_\_\_\_\_

(7) 
$$2 \overline{)1234}$$

(8) 
$$8 \overline{)7720}$$

(13)  $\frac{2}{3} =$  \_\_\_\_\_

(14)  $\frac{3}{5} =$  \_\_\_\_\_

(15)  $\frac{7}{10} =$  \_\_\_\_\_

(16)  $\frac{3}{4} =$  \_\_\_\_\_

Answers

0.6 0.25

0.2 0.7

0.75 0.5

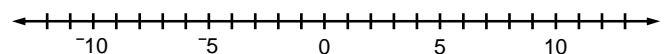
0.33 0.66

(1)  $654 + 598 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 4827 \\ \times 82 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 3950 \\ \times 64 \\ \hline \end{array}$$

Add these positive and negative numbers



(2)  $678 + 654 =$  \_\_\_\_\_

(9)  $6 + 8 =$  \_\_\_\_\_

(10)  $-13 + 9 =$  \_\_\_\_\_

(3)  $915 - 759 =$  \_\_\_\_\_

(11)  $9 + 3 =$  \_\_\_\_\_

(12)  $8 + -11 =$  \_\_\_\_\_

(4)  $951 - 164 =$  \_\_\_\_\_

(7) 
$$9 \overline{)1584}$$

(8) 
$$2 \overline{)1138}$$

(13)  $-10 + 6 =$  \_\_\_\_\_

(14)  $7 + 7 =$  \_\_\_\_\_

(15)  $4 + -11 =$  \_\_\_\_\_

(16)  $-8 + -3 =$  \_\_\_\_\_





(1)  $667 + 868 =$  \_\_\_\_\_

(2)  $842 + 998 =$  \_\_\_\_\_

(3)  $734 - 497 =$  \_\_\_\_\_

(4)  $420 - 137 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 5027 \\ \times 75 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 6139 \\ \times 93 \\ \hline \end{array}$$

(7) 
$$7 \overline{)2702}$$

(8) 
$$9 \overline{)4185}$$

**Order of operations. BEDMAS**

(9)  $9 \times 4 + 67 =$  \_\_\_\_\_

(10)  $54 \div 6 - 8 =$  \_\_\_\_\_

(11)  $40 \div 5 + 15 =$  \_\_\_\_\_

(12)  $7 \times 4 - 19 =$  \_\_\_\_\_

(13)  $29 + 42 \div 6 =$  \_\_\_\_\_

(14)  $43 + 8 \times 5 =$  \_\_\_\_\_

(15)  $92 - 7 \times 9 =$  \_\_\_\_\_

(16)  $24 - 27 \div 3 =$  \_\_\_\_\_

(1)  $792 + 748 =$  \_\_\_\_\_

(2)  $488 + 726 =$  \_\_\_\_\_

(3)  $903 - 698 =$  \_\_\_\_\_

(4)  $416 - 289 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 2748 \\ \times 29 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 5039 \\ \times 47 \\ \hline \end{array}$$

(7) 
$$9 \overline{)5364}$$

(8) 
$$2 \overline{)1740}$$

**What is the place value of the BOLD digit in each number and what does it mean?**

*Example: In 4.25 the place value is  $\frac{1}{10}$ 's and it means  $\frac{2}{10}$ .*

(9) **7.6** \_\_\_\_\_

(10) **63.972** \_\_\_\_\_

(11) **9.48** \_\_\_\_\_

(12) **409.3** \_\_\_\_\_

(13) **7.05** \_\_\_\_\_

(14) **7.526** \_\_\_\_\_

(15) **2.54** \_\_\_\_\_

(16) **625.47** \_\_\_\_\_

(1)  $783 + 588 =$  \_\_\_\_\_

(2)  $578 + 883 =$  \_\_\_\_\_

(3)  $540 - 161 =$  \_\_\_\_\_

(4)  $836 - 378 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 8614 \\ \times 65 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 7025 \\ \times 78 \\ \hline \end{array}$$

(7) 
$$4 \overline{)3728}$$

(8) 
$$5 \overline{)4585}$$

**Multiplying and dividing by powers of 10.**

(9)  $7.3 \times 10^2 =$  \_\_\_\_\_

(10)  $3.9 \times 10^3 =$  \_\_\_\_\_


(11)  $1.8 \div 10^2 =$  \_\_\_\_\_

(12)  $5.4 \div 10^3 =$  \_\_\_\_\_

(13)  $6.2 \times 10^4 =$  \_\_\_\_\_

(14)  $4.7 \times 10^6 =$  \_\_\_\_\_

(15)  $2.6 \div 10^5 =$  \_\_\_\_\_



(1)  $978 + 947 =$  \_\_\_\_\_

(2)  $794 + 326 =$  \_\_\_\_\_

(3)  $918 - 429 =$  \_\_\_\_\_

(4)  $623 - 365 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 9631 \\ \times 36 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 7428 \\ \times 89 \\ \hline \end{array}$$

(7) 
$$5 \overline{)4615}$$

(8) 
$$9 \overline{)1611}$$

(9) **Add up Karen's shopping list prices.**

\$75.45

\$68.40

\$135.15

\$95.95


+ \$9.85

---

(10) **If Karen paid for her items with twenty \$20.00 notes, how much change would she get back?**

\_\_\_\_\_

\_\_\_\_\_



(1)  $979 + 956 =$  \_\_\_\_\_

(2)  $878 + 539 =$  \_\_\_\_\_

(3)  $602 - 275 =$  \_\_\_\_\_

(4)  $830 - 652 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 9350 \\ \times 28 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 4816 \\ \times 46 \\ \hline \end{array}$$

(7) 
$$77.3 \overline{)2115}$$

(8) 
$$6 \overline{)4296}$$

**Convert these decimals to fractions.**

*Example:  $0.5 = \frac{1}{2}$*

(9)  $0.5 =$  \_\_\_\_\_

(10)  $0.33 =$  \_\_\_\_\_

(11)  $0.8 =$  \_\_\_\_\_

(12)  $0.3 =$  \_\_\_\_\_

(13)  $0.25 =$  \_\_\_\_\_

(14)  $0.75 =$  \_\_\_\_\_

(15)  $0.1 =$  \_\_\_\_\_

(16)  $0.66 =$  \_\_\_\_\_


**Answers**

$\frac{3}{10}$   $\frac{1}{3}$

$\frac{4}{5}$   $\frac{1}{10}$

$\frac{1}{2}$   $\frac{2}{3}$

$\frac{1}{4}$   $\frac{3}{4}$



(1)  $298 + 954 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 6931 \\ \times 57 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 7428 \\ \times 39 \\ \hline \end{array}$$

**Convert these percentages to decimals.***Example:*  $50\% = 0.5$ 

(2)  $753 + 967 =$  \_\_\_\_\_

(9)  $33\frac{1}{3}\% =$  \_\_\_\_\_

(10)  $25\% =$  \_\_\_\_\_

(3)  $902 - 739 =$  \_\_\_\_\_

(11)  $50\% =$  \_\_\_\_\_

(12)  $40\% =$  \_\_\_\_\_

(4)  $918 - 429 =$  \_\_\_\_\_

(7) 
$$4 \overline{)2028}$$

(8) 
$$7 \overline{)5012}$$

(13)  $10\% =$  \_\_\_\_\_

(14)  $75\% =$  \_\_\_\_\_

(15)  $5\% =$  \_\_\_\_\_

(16)  $66\frac{2}{3}\% =$  \_\_\_\_\_

Answers

0.4 0.33

0.05 0.75

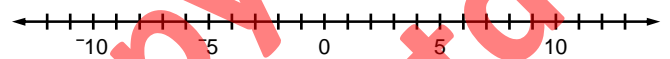
0.25 0.5

0.66 0.1

(1)  $637 + 597 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 3590 \\ \times 92 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 1684 \\ \times 74 \\ \hline \end{array}$$

**Add these positive and negative numbers**

(2)  $487 + 753 =$  \_\_\_\_\_

(9)  $9 + 6 =$  \_\_\_\_\_

(10)  $-10 + 8 =$  \_\_\_\_\_

(3)  $941 - 383 =$  \_\_\_\_\_

(11)  $7 + 8 =$  \_\_\_\_\_

(12)  $12 + -9 =$  \_\_\_\_\_

(4)  $774 - 289 =$  \_\_\_\_\_

(7) 
$$2 \overline{)1930}$$

(8) 
$$8 \overline{)6960}$$

(13)  $-9 + 14 =$  \_\_\_\_\_

(14)  $5 + 9 =$  \_\_\_\_\_

(15)  $5 + -12 =$  \_\_\_\_\_

(16)  $-6 + -7 =$  \_\_\_\_\_

(1)  $789 + 494 =$  \_\_\_\_\_

(5) 
$$\begin{array}{r} 7025 \\ \times 56 \\ \hline \end{array}$$

(6) 
$$\begin{array}{r} 1936 \\ \times 87 \\ \hline \end{array}$$

**Order of operations.****BEDMAS**

(2)  $958 + 275 =$  \_\_\_\_\_

(9)  $6 \times 5 + 27 =$  \_\_\_\_\_

(10)  $56 \div 7 - 6 =$  \_\_\_\_\_

(3)  $502 - 354 =$  \_\_\_\_\_

(11)  $63 \div 7 + 19 =$  \_\_\_\_\_

(12)  $7 \times 4 - 13 =$  \_\_\_\_\_

(4)  $530 - 264 =$  \_\_\_\_\_

(7) 
$$8 \overline{)6600}$$

(8) 
$$6 \overline{)5724}$$

(13)  $45 + 48 \div 8 =$  \_\_\_\_\_

(14)  $86 + 9 \times 5 =$  \_\_\_\_\_

(15)  $88 - 7 \times 8 =$  \_\_\_\_\_

(16)  $31 - 54 \div 9 =$  \_\_\_\_\_

(1)  $787 + 935 =$  \_\_\_\_\_

5. 
$$\begin{array}{r} 4728 \\ \times 63 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 3590 \\ \times 98 \\ \hline \end{array}$$

**Read each statement and write the information as a fraction.** *Example:* 3 out of 4 is written as  $\frac{3}{4}$ 

(2)  $693 + 459 =$  \_\_\_\_\_

(9) Abbey scored 75 out of 90 in a test. \_\_\_\_\_

(3)  $927 - 279 =$  \_\_\_\_\_

(10) It rained 14 days out of 70 days. \_\_\_\_\_

(4)  $814 - 265 =$  \_\_\_\_\_

7. 
$$6 \overline{)4950}$$

8. 
$$8 \overline{)3960}$$

(11) It was sunny 1 day last week. \_\_\_\_\_

(12) What fraction of your class likes dogs? \_\_\_\_\_



(1)  $598 + 862 =$  \_\_\_\_\_

5. 
$$\begin{array}{r} 4816 \\ \times 82 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 5027 \\ \times 64 \\ \hline \end{array}$$

**Finding a percentage of a quantity.****%**

(2)  $989 + 136 =$  \_\_\_\_\_

(9)  $50\% \text{ of } 86 =$  \_\_\_\_\_

(10)  $25\% \text{ of } 48 =$  \_\_\_\_\_

(3)  $931 - 245 =$  \_\_\_\_\_

(11)  $33\frac{1}{3}\% \text{ of } 39 =$  \_\_\_\_\_

(12)  $66\frac{2}{3}\% \text{ of } 60 =$  \_\_\_\_\_

(4)  $927 - 279 =$  \_\_\_\_\_

7. 
$$3 \overline{)2589}$$

8. 
$$7 \overline{)4578}$$

(13)  $50\% \text{ of } 450 =$  \_\_\_\_\_

(14)  $33\frac{1}{3}\% \text{ of } 360 =$  \_\_\_\_\_

(15)  $66\frac{2}{3}\% \text{ of } 360 =$  \_\_\_\_\_

(16)  $25\% \text{ of } 440 =$  \_\_\_\_\_

Daily Number Activity  
Tasks

Answers

Evaluation Copy  
AWS Publications Ltd  
All rights reserved

<b>1</b>			<b>8</b>			<b>15</b>							
1.	990	9.	397	1.	964	9.	-2°C	1.	372	9.	10°C		
2.	879	10.	485	2.	819	10.	9°C	2.	735	10.	-2°C		
3.	304	11.	two hundred & fifty-three	3.	111	11.	-5°C	3.	805	11.	5°C		
4.	421	12.	seven hundred & eighteen	4.	273	12.	3°C	4.	715	12.	3°C		
5.	97240	13.	nine hundred & forty-six	5.	140302	13.	-7°C	5.	221832	13.	-8°C		
6.	132000			6.	306138			6.	235984				
7.	618			7.	359			7.	186				
8.	586			8.	297			8.	568				
<b>2</b>			<b>9</b>			<b>16</b>							
1.	692	9.	302.232	1.	733	9.	$\frac{4}{8}$	1.	965	9.	25.2326		
2.	958	10.	1.08148	2.	787	10.	$\frac{5}{20}$	2.	708	10.	198.185		
3.	446	11.	36.9	3.	270	11.	$\frac{6}{30}$	3.	304	11.	38.6		
4.	214	12.	92.7	4.	293	12.	$\frac{3}{18}$	4.	652	12.	48.5		
5.	592782			5.	479655	13.	$\frac{4}{14}$	5.	175218				
6.	328944			6.	256157	14.	$\frac{14}{21}$	6.	141100				
7.	704			7.	928	15.	$\frac{24}{32}$	7.	470				
8.	395			8.	618	16.	$\frac{40}{50}$	8.	359				
<b>3</b>			<b>10</b>			<b>17</b>							
1.	891	9.	\$139.75	1.	796	9.	$\frac{1}{10}$ 's, $\frac{7}{10}$	1.	903	9.	$\frac{4}{8}$		
2.	889	10.	\$23.85	2.	768	10.	$\frac{1}{100}$ 's, $\frac{8}{100}$	2.	649	10.	$\frac{5}{20}$		
3.	260	11.	\$1.16	3.	344	11.	1's, 6	3.	540	11.	$\frac{6}{18}$		
4.	597			4.	230	12.	10's, 20	4.	226	12.	$\frac{3}{135}$		
5.	214162			5.	107734	13.	$\frac{1}{100}$ 's, $\frac{8}{100}$	5.	127125	13.	$\frac{6}{10}$		
6.	231696			6.	239797	14.	$\frac{1}{1000}$ 's, $\frac{6}{1000}$	6.	120056	14.	$\frac{35}{56}$		
7.	279			7.	568	15.	$\frac{1}{10}$ 's, $\frac{9}{10}$	7.	935	15.	$\frac{24}{80}$		
8.	186			8.	470	16.	100's, 400	8.	279	16.	$\frac{70}{120}$		
<b>4</b>			<b>11</b>			<b>18</b>							
1.	774	9.	Shade in any 6 out of 12	1.	871	9.	16	17.	4	1.	786	9.	1.26, 1.24, 1.19, 1.17, 1.14, 1.10, 1.09, 1.07
2.	815	10.	Shade in any 6 out of 8	2.	525	10.	100	18.	9	2.	518	10.	2.42, 2.41, 2.40, 2.39, 2.37, 2.36, 2.34, 2.31
3.	223	11.	Shade in any 9 out of 15	3.	165	11.	64	19.	8	3.	165	11.	7.76, 7.73, 7.71, 7.70, 7.69, 7.67, 7.64, 7.61
4.	570	12.	Shade in any 8 out of 12	4.	109	12.	49	20.	7	4.	163		
5.	253890			5.	108999	13.	25			5.	186846		
6.	427812			6.	246323	14.	9			6.	291516		
7.	568			7.	359	15.	6			7.	681		
8.	407			8.	279	16.	12			8.	586		
<b>5</b>			<b>12</b>			<b>19</b>							
1.	781	9.	2, 3, 5, 7, 11, 13	1.	682	9.	120	17.	5600	1.	1001	9.	\$142.50
2.	1029	10.	4, 8, 12, 16, 20	2.	856	10.	250	18.	3100	2.	1055	10.	\$50.60
3.	271	11.	8, 16, 24, 32, 40	3.	295	11.	370	19.	6800	3.	446	11.	\$0.97
4.	432	12.	1, 2, 4, 8	4.	91	12.	870	20.	2500	4.	215		
5.	160732	13.	1, 2, 3, 4, 6, 12	5.	446040	13.	610			5.	304425		
6.	79104			6.	159142	14.	910			6.	301774		
7.	740			7.	168	15.	1300			7.	407		
8.	539			8.	586	16.	5800			8.	395		
<b>6</b>			<b>13</b>			<b>20</b>							
1.	833	9.	1.0, 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9	1.	680	9.	11, 13, 17, 19	1.	830	9.	Shade in any 6 out of 10		
2.	607	10.	2.0, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9	2.	1066	10.	6, 12, 18, 24, 30	2.	736	10.	Shade in any 8 out of 12		
3.	540	11.	0.09, 0.11, 0.12, 0.14, 0.16, 0.17, 0.18, 0.20	3.	160	11.	7, 14, 21, 28, 35	3.	385	11.	Shade in any 9 out of 12		
4.	324			4.	218	12.	1, 2, 5, 10	4.	152	12.	Shade in any 10 out of 12		
5.	436777			5.	102114	13.	1, 3, 5, 15	5.	106134				
6.	277574			6.	134652			6.	99824				
7.	729			7.	856			7.	279				
8.	681			8.	470			8.	168				
<b>7</b>			<b>14</b>			<b>21</b>							
1.	404	The following are possible answers		1.	883	9.	\$93.29	1.	675	9.	11°C		
2.	774	9.	600 + 200 = 800	2.	507	10.	\$6.71	2.	1112	10.	-1°C		
3.	385	10.	8000 - 500 = 7500	3.	220			3.	167	11.	13°C		
4.	327	11.	3000 × 30 = 90000	4.	182			4.	671	12.	1°C		
5.	533805	12.	2000 ÷ 10 = 200	5.	324648			5.	142120	13.	-8°C		
6.	231337			6.	499046			6.	189750				
7.	568			7.	359			7.	935				
8.	470			8.	297			8.	279				

<b>22</b>			<b>29</b>			<b>36</b>									
1.	1092	9.	$\frac{1}{10}$ 's, $\frac{9}{10}$	1.	1537	9.	-4°C	1.	747	9.	Shade in any 8 out of 12				
2.	845	10.	$\frac{1}{100}$ 's, $\frac{2}{100}$	2.	1263	10.	7°C	2.	1204	10.	Shade in any 9 out of 12				
3.	260	11.	1's, 6	3.	304	11.	-5°C	3.	250	11.	Shade in any 2 out of 12				
4.	96	12.	10's, 80	4.	491	12.	4°C	4.	235	12.	Shade in any 8 out of 10				
5.	162348	13.	$\frac{1}{100}$ 's, $\frac{9}{100}$	5.	104284	13.	-11°C	5.	167265						
6.	306816	14.	$\frac{1}{1000}$ 's, $\frac{5}{1000}$	6.	138432			6.	303457						
7.	681	15.	$\frac{1}{10}$ 's, $\frac{5}{10}$	7.	729			7.	593						
8.	568	16.	100's, 900	8.	619			8.	792						
<b>23</b>			<b>30</b>			<b>37</b>									
1.	1349	9.	36	17.	11	1.	750	9.	$\frac{8}{12}$	1.	1102	9.	$\frac{5}{10}$		
2.	1740	10.	81	18.	10	2.	1564	10.	$\frac{15}{20}$	2.	1064	10.	$\frac{2}{3}$		
3.	538	11.	49	19.	4	3.	476	11.	$\frac{12}{30}$	3.	277	11.	$\frac{1}{4}$		
4.	484	12.	121	20.	9	4.	104	12.	$\frac{12}{15}$	4.	391	12.	$\frac{3}{6}$		
5.	313006	13.	25			5.	97240	13.	$\frac{12}{14}$	5.	272304	13.	$\frac{2}{10}$		
6.	333063	14.	144			6.	132000	14.	$\frac{49}{56}$	6.	258312	14.	$\frac{3}{4}$		
7.	279	15.	5			7.	729	15.	$\frac{56}{80}$	7.	618	15.	$\frac{3}{5}$		
8.	168	16.	8			8.	187	16.	$\frac{50}{120}$	8.	586	16.	$\frac{10}{12}$		
<b>24</b>			<b>31</b>			<b>38</b>									
1.	856	The following are possible answers			1.	1095	9.	$\frac{5}{8}$	1.	1322	The following are possible answers				
2.	1248	9.	900 + 1200 = 2100		2.	833	10.	$\frac{3}{6}$ or $\frac{1}{2}$	2.	1194	9.	500 + 1800 = 2300			
3.	51	10.	5000 - 700 = 4300		3.	183	11.	$\frac{4}{6}$ or $\frac{2}{3}$	3.	631	10.	5000 - 700 = 4300			
4.	125	11.	2000 × 60 = 120000		4.	690	12.	$\frac{1}{5}$	4.	395	11.	3800 × 50 = 190000			
5.	339885	12.	800 ÷ 4 = 200		5.	331521	13.	$\frac{2}{5}$	5.	257580	12.	8000 ÷ 10 = 800			
6.	297120				6.	117253	14.	$\frac{4}{8}$ or $\frac{1}{2}$	6.	458150					
7.	856				7.	395	15.	$\frac{4}{6}$ or $\frac{2}{3}$	7.	359					
8.	740				8.	279	16.	$\frac{4}{10}$ or $\frac{2}{5}$	8.	279					
<b>25</b>			<b>32</b>			<b>39</b>									
1.	1371	9.	17, 19, 23, 29		1.	1549	9.	\$209.65	1.	690	9.	4.39, 4.35, 4.32, 4.32, 4.30, 4.28, 4.27, 4.20			
2.	820	10.	5, 10, 15, 20, 25		2.	1671	10.	\$31.70	2.	1135	10.	5.67, 5.64, 5.63, 5.60, 5.59, 5.59, 5.54, 5.51			
3.	496	11.	8, 16, 24, 32, 40		3.	43	11.	\$1.15	3.	499	11.	9.18, 9.17, 9.12, 9.11, 9.09, 9.07, 9.06, 9.02			
4.	460	12.	1, 2, 3, 6, 9, 18		4.	519			4.	565					
5.	63916	13.	1, 2, 4, 5, 10, 20		5.	225910			5.	205992					
6.	113712				6.	209802			6.	452704					
7.	658				7.	470			7.	704					
8.	470				8.	539			8.	395					
<b>26</b>			<b>33</b>			<b>40</b>									
1.	1528	9.	110	17.	3800	1.	671	9.	1171.71	1.	1154	9.	\$130.65		
2.	1845	10.	250	18.	3000	2.	1413	10.	19.9375	2.	761	10.	\$9.35		
3.	263	11.	320	19.	4500	3.	699	11.	4.65	3.	498				
4.	326	12.	560	20.	7300	4.	340	12.	29.7	4.	139				
5.	248586	13.	700			5.	534186			5.	108999				
6.	447168	14.	940			6.	334295			6.	246323				
7.	470	15.	6500			7.	740			7.	927				
8.	395	16.	1100			8.	359			8.	618				
<b>27</b>			<b>34</b>			<b>41</b>									
1.	1040	9.	259	17.	5.784	1.	1160	9.	238	17.	$\frac{4}{6}$ or $\frac{2}{3}$				
2.	1246	10.	748	18.	0.9351	2.	627	10.	15460	18.	$\frac{4}{10}$ or $\frac{2}{5}$				
3.	372	11.	six hundred & thirty-nine		3.	41	11.	19.57	11.	$\frac{6}{10}$ or $\frac{3}{5}$					
4.	139	12.	eight hundred & twenty-seven		4.	94	12.	397.2	12.	$\frac{8}{24}$ or $\frac{1}{3}$					
5.	510694	13.	six hundred & forty-five		5.	173470	13.	461	13.	$\frac{8}{12}$ or $\frac{2}{3}$					
6.	405468				6.	473113	14.	4.231	14.	$\frac{5}{10}$ or $\frac{1}{2}$					
7.	856				7.	568	15.	0.03769	15.	$\frac{5}{8}$					
8.	470				8.	470	16.	86.121	16.	$\frac{6}{16}$ or $\frac{3}{8}$					
<b>28</b>			<b>35</b>			<b>42</b>									
1.	1691	9.	\$95.30		1.	1715	9.	29, 31, 37		1.	933	9.	560	17.	4200
2.	831	10.	\$4.70		2.	1064	10.	5, 10, 15, 20, 25		2.	1228	10.	500	18.	8200
3.	228				3.	295	11.	9, 18, 27, 36, 45		3.	149	11.	900	19.	1900
4.	647				4.	352	12.	1, 2, 3, 4, 6, 8, 12, 24		4.	318	12.	180	20.	7400
5.	106470				5.	436777	13.	1, 3, 9, 27		5.	287025	13.	340		
6.	244464				6.	277574				6.	411252	14.	660		
7.	861				7.	618				7.	586	15.	6300		
8.	685				8.	586				8.	165	16.	9100		

<b>43</b>			<b>50</b>			<b>57</b>		
1. 1345	9. 37, 41, 43, 47		1. 1564	9. $\frac{8}{16}$		1. 820	9. 0.5	
2. 675	10. 4, 8, 12, 16, 20		2. 1081	10. $\frac{2}{3}$		2. 1528	10. 0.25	
3. 139	11. 6, 12, 18, 24, 30		3. 771	11. $\frac{3}{10}$		3. 715	11. 0.33	
4. 172	12. 1, 2, 3, 5, 6, 10, 15, 30		4. 96	12. $\frac{4}{12}$		4. 182	12. 0.2	
5. 308313	13. 1, 2, 4, 8, 16, 32		5. 142120	13. $\frac{15}{20}$		5. 364738	13. 0.75	
6. 238612			6. 189750	14. $\frac{3}{5}$		6. 60976	14. 0.66	
7. 856			7. 619	15. $\frac{1}{4}$		7. 932	15. 0.1	
8. 615			8. 278	16. $\frac{8}{20}$		8. 579	16. 0.3	
<b>44</b>			<b>51</b>			<b>58</b>		
1. 1112	9. $\frac{1}{10}$ 's, $\frac{7}{10}$		1. 1064	9. 50%		1. 1740	9. \$152.91	
2. 1103	10. $\frac{1}{100}$ 's, $\frac{8}{100}$		2. 1322	10. 25%		2. 671	10. \$33.75	
3. 84	11. 1's, 8		3. 599	11. 40%		3. 260	11. \$0.68	
4. 703	12. 10's, 20		4. 490	12. 80%		4. 538		
5. 196350	13. $\frac{1}{100}$ 's, $\frac{6}{100}$		5. 510694	13. $33\frac{1}{3}\%$		5. 355300		
6. 160304	14. $\frac{1}{1000}$ 's, $\frac{6}{1000}$		6. 405468	14. 60%		6. 200750		
7. 568	15. $\frac{1}{10}$ 's, $\frac{9}{10}$		7. 619	15. 75%		7. 932		
8. 651	16. 100's, 700		8. 827	16. $66\frac{2}{3}\%$		8. 759		
<b>45</b>			<b>52</b>			<b>59</b>		
1. 831	9. 36	17. 5	1. 1092	9. 3.492		1. 1413	9. $\frac{7}{14}$	
2. 1537	10. 100	18. 20	2. 856	10. 157.8		2. 1095	10. $\frac{2}{3}$	
3. 247	11. 64	19. 8	3. 391	11. one point nine five six		3. 647	11. $\frac{5}{6}$	
4. 581	12. 225	20. 10	4. 849	12. twenty-three point seven eight		4. 228	12. $\frac{15}{20}$	
5. 249090	13. 81		5. 106470	13. zero point four two nine		5. 564099	13. $\frac{6}{20}$	
6. 358360	14. 400		6. 244464			6. 344692	14. $\frac{1}{4}$	
7. 794	15. 7		7. 691			7. 923	15. $\frac{7}{10}$	
8. 503	16. 11		8. 782			8. 975	16. $\frac{9}{15}$	
<b>46</b>			<b>53</b>			<b>60</b>		
1. 1043	9. \$199.60		1. 1248	9. 32		1. 761	9. 1.97616	
2. 747	10. \$50.70		2. 1263	10. 16		2. 1536	10. 261.25	
3. 350	11. \$1.20		3. 158	11. 8		3. 491	11. 29.5	
4. 519			4. 579	12. 3.9		4. 699	12. 48.3	
5. 363318			5. 383284	13. 30		5. 782515		
6. 270204			6. 138432	14. 75		6. 352371		
7. 497			7. 547	15. 27		7. 932		
8. 305			8. 860	16. 80		8. 975		
<b>47</b>			<b>54</b>			<b>61</b>		
1. 1204	9. 378.1	17. 3.794	1. 833	9. 11°C		1. 1194	9. 9	
2. 1302	10. 874	18. 9.652	2. 1549	10. -8°C		2. 1040	10. 19	
3. 588	11. 569		3. 590	11. 8°C		3. 703	11. 7	
4. 483	12. 1247		4. 477	12. 0°C		4. 391	12. 8	
5. 235471	13. 956		5. 97240	13. -12°C		5. 445104	13. 40	
6. 463392	14. 5.839		6. 132000			6. 154912	14. 30	
7. 497	15. 4.385		7. 475			7. 615	15. 80	
8. 305	16. 0.4684		8. 608			8. 568	16. 50	
<b>48</b>			<b>55</b>			<b>62</b>		
1. 845	9. -4°C		1. 1102	13. Shade in any 6 out of 9		1. 1246	9. $\frac{1}{10}$ 's, $\frac{9}{10}$	
2. 1349	10. 13°C		2. 690	14. Shade in any 6 out of 10		2. 1043	10. $\frac{1}{1000}$ 's, $\frac{7}{1000}$	
3. 295	11. -4°C		3. 338	15. Shade in any 9 out of 12		3. 149	11. 1's, 8	
4. 646	12. 2°C		4. 284	16. Shade in any 10 out of 12		4. 247	12. 10's, 0	
5. 155610	13. -10°C		5. 97278			5. 100980	13. $\frac{1}{100}$ 's, $\frac{7}{100}$	
6. 351417			6. 530796			6. 134750	14. $\frac{1}{1000}$ 's, $\frac{8}{1000}$	
7. 479			7. 745			7. 961	15. $\frac{1}{10}$ 's, $\frac{2}{10}$	
8. 530			8. 608			8. 872	16. 100's, 200	
<b>49</b>			<b>56</b>			<b>63</b>		
1. 1097	9. 45		1. 1135	The following are possible answers		1. 627	9. $\frac{1}{2}$	
2. 750	10. 2		2. 1103	9. 6000 + 8000 = 14000		2. 1715	10. $\frac{1}{4}$	
3. 408	11. 24		3. 570	10. 4000 - 1000 = 3000		3. 519	11. $\frac{1}{3}$	
4. 360	12. 12		4. 432	11. 4000 × 80 = 32000		4. 483	12. $\frac{2}{3}$	
5. 513106	13. 31		5. 389025	12. 2000 ÷ 10 = 200		5. 688392	13. $\frac{3}{4}$	
6. 158208	14. 121		6. 371789			6. 593986	14. $\frac{1}{5}$	
7. 916	15. 27		7. 754			7. 497	15. $\frac{1}{10}$	
8. 728	16. 19		8. 806			8. 350	16. $\frac{3}{10}$	



<b>64</b>			<b>71</b>			<b>78</b>									
1.	1371	9.	3.10, 3.12, 3.12, 3.17, 3.19, 3.20, 3.22, 3.26	1.	1528	9.	\$112.10	1.	671	9.	-6°C				
2.	933			2.	1160	10.	\$7.90	2.	1413	10.	75°C				
3.	391	10.	4.31, 4.32, 4.38, 4.39, 4.40, 4.40, 4.42, 4.46	3.	646			3.	340	11.	-6°C				
4.	519			4.	172			4.	104	12.	2°C				
5.	222399	11.	5.32, 5.34, 5.38, 5.39, 5.40, 5.41, 5.42, 5.43	5.	313906			5.	68068	13.	-9°C				
6.	236523			6.	263808			6.	391872						
7.	169			7.	754			7.	974						
8.	278			8.	860			8.	530						
<b>65</b>			<b>72</b>			<b>79</b>									
1.	1228	9.	86.4	17.	16.87	1.	1040	9.	65%	1.	1345	9.	934.5	17.	3.798
2.	1671	10.	3765	18.	0.06942	2.	1246	10.	90%	2.	627	10.	1560	18.	0.5674
3.	588	11.	16.95			3.	295	11.	33 $\frac{1}{3}$ %	3.	295	11.	85.72		
4.	324	12.	7916			4.	408	12.	75%	4.	565	12.	8754		
5.	294840	13.	10510			5.	362520	13.	50%	5.	190588	13.	168.1		
6.	478742	14.	5.214			6.	645150	14.	5%	6.	174300	14.	2.395		
7.	503	15.	0.9563			7.	293	15.	66 $\frac{2}{3}$ %	7.	586	15.	9.625		
8.	479	16.	0.9657			8.	579	16.	25%	8.	516	16.	9.12		
<b>66</b>			<b>73</b>			<b>80</b>									
1.	675	9.	17, 19, 23, 29, 31, 37	1.	1285	9.	900	17.	8000	1.	1715	9.	$\frac{17}{20}$		
2.	1112	10.	7, 14, 21, 28, 35	2.	831	10.	200	18.	7000	2.	1081	10.	$\frac{23}{30}$		
3.	652	11.	9, 18, 27, 36, 45	3.	96	11.	700	19.	4000	3.	84	11.	$\frac{5}{7}$		
4.	327	12.	1, 2, 3, 4, 6, 9, 12, 18, 36	4.	579	12.	300	20.	7000	4.	849	12.	-		
5.	178350	13.	1, 2, 3, 4, 6, 8, 12, 16, 24, 48	5.	685663	13.	300			5.	50856				
6.	711564			6.	462336	14.	600			6.	332688				
7.	475			7.	680	15.	2000			7.	479				
8.	860			8.	475	16.	9000			8.	530				
<b>67</b>			<b>74</b>			<b>81</b>									
1.	1154	9.	31	1.	1537	9.	23.5	1.	747	9.	$\frac{1}{4}$				
2.	845	10.	4	2.	1097	10.	16	2.	1204	10.	$\frac{3}{10}$				
3.	226	11.	41	3.	273	11.	8	3.	158	11.	$\frac{3}{5}$				
4.	484	12.	5	4.	599	12.	9.5	4.	360	12.	$\frac{1}{2}$				
5.	516078	13.	53	5.	153406	13.	70	5.	534186	13.	$\frac{3}{4}$				
6.	614380	14.	59	6.	346863	14.	20	6.	334295	14.	$\frac{1}{3}$				
7.	169	15.	16	7.	568	15.	34	7.	638	15.	$\frac{2}{3}$				
8.	728	16.	23	8.	615	16.	138	8.	719	16.	$\frac{9}{10}$				
<b>68</b>			<b>75</b>			<b>82</b>									
1.	1349	9.	$\frac{15}{25}$	1.	750	9.	10.563	1.	1092	9.	23				
2.	1302	10.	$\frac{5}{6}$	2.	1564	10.	7.894	2.	1064	10.	17				
3.	476	11.	$\frac{1}{4}$	3.	293	11.	five point six two three	3.	590	11.	12				
4.	125	12.	$\frac{12}{18}$	4.	163	12.	one hundred & forty-seven point eight	4.	477	12.	9				
5.	136950	13.	$\frac{18}{24}$	5.	514185	13.	ninety-two point six four	5.	173470	13.	93				
6.	557366	14.	$\frac{7}{10}$	6.	162528			6.	473113	14.	90				
7.	475	15.	$\frac{1}{2}$	7.	923			7.	546	15.	30				
8.	608	16.	$\frac{9}{21}$	8.	579			8.	570	16.	90				
<b>69</b>			<b>76</b>			<b>83</b>									
1.	856	9.	6°C	1.	1691	9.	0.25	1.	1322	9.	13				
2.	1548	10.	31°C	2.	833	10.	0.2	2.	1740	10.	1				
3.	304	11.	12°C	3.	51	11.	0.5	3.	338	11.	11				
4.	690	12.	1°C	4.	215	12.	0.33-	4.	230	12.	1				
5.	421971	13.	-11°C	5.	203398	13.	0.66-	5.	436777	13.	-2				
6.	510136			6.	359136	14.	0.7	6.	277574	14.	13				
7.	827			7.	568	15.	0.4	7.	285	15.	-2				
8.	169			8.	561	16.	0.75	8.	671	16.	-7				
<b>70</b>			<b>77</b>			<b>84</b>									
1.	1845	9.	0.25	1.	1549	9.	\$219.60	1.	690	The following are possible answers					
2.	820	10.	0.5	2.	1064	10.	\$38.55	2.	1135	9.	1000 + 4000 = 5000				
3.	631	11.	0.33-	3.	496	11.	\$1.35	3.	152	10.	6200 - 4000 = 2200				
4.	94	12.	0.75	4.	43			4.	421	11.	4000 × 100 = 400000				
5.	421425	13.	0.1	5.	335358			5.	533805	12.	6100 ÷ 10 = 610				
6.	272534	14.	0.4	6.	294756			6.	231337						
7.	392	15.	0.9	7.	579			7.	923						
8.	759	16.	0.66-	8.	293			8.	870						

<b>85</b>				<b>92</b>				<b>99</b>			
1.	1371	9.	$\frac{1}{10}$ 's, $\frac{4}{10}$	1.	1349	9.	501.37	1.	750	9.	\$197.70
2.	761	10.	$\frac{1}{100}$ 's, $\frac{2}{100}$	2.	1095	10.	4.985	2.	1564	10.	\$39.40
3.	109	11.	1's, 7	3.	214	11.	four hundred & fifty-one point eight	3.	284	11.	\$1.05
4.	460	12.	10's, 70	4.	499	12.	six point seven nine two	4.	350		
5.	140302	13.	$\frac{1}{100}$ 's, $\frac{9}{100}$	5.	196350	13.	eighteen point zero five six	5.	197374		
6.	306138	14.	$\frac{1}{1000}$ 's, $\frac{6}{1000}$	6.	702104			6.	794304		
7.	546	15.	$\frac{1}{10}$ 's, $\frac{7}{10}$	7.	852			7.	645		
8.	570	16.	100's, 800	8.	176			8.	750		
<b>86</b>				<b>93</b>				<b>100</b>			
1.	1536	9.	$\frac{16}{32}$	1.	820	9.	13	1.	1194	9.	21
2.	1845	10.	$\frac{3}{4}$	2.	1528	10.	2	2.	671	10.	6
3.	41	11.	$\frac{9}{10}$	3.	597	11.	12	3.	490	11.	1.5
4.	167	12.	$\frac{9}{27}$	4.	91	12.	-5	4.	318	12.	12
5.	257580	13.	$\frac{15}{21}$	5.	175218	13.	2	5.	224352	13.	34.7
6.	458150	14.	$\frac{3}{5}$	6.	141100	14.	12	6.	623415	14.	80
7.	582	15.	$\frac{4}{7}$	7.	954	15.	-5	7.	836	15.	40
8.	176	16.	$\frac{24}{30}$	8.	659	16.	-9	8.	719	16.	70
<b>87</b>				<b>94</b>				<b>101</b>			
1.	933	9.	$\frac{45}{50}, \frac{9}{10}$	1.	1160	9.	25%	1.	1124	9.	85
2.	1228	10.	$\frac{21}{30}, \frac{7}{10}$	2.	856	10.	80%	2.	1350	10.	1
3.	326	11.	$\frac{6}{7}$	3.	671	11.	$66\frac{2}{3}\%$	3.	115	11.	22
4.	250	12.	-	4.	218	12.	15%	4.	147	12.	27
5.	594792			5.	146700	13.	5%	5.	88293	13.	20
6.	452704			6.	596066	14.	50%	6.	659649	14.	99
7.	459			7.	329	15.	75%	7.	923	15.	27
8.	596			8.	708	16.	$33\frac{1}{3}\%$	8.	719	16.	63
<b>88</b>				<b>95</b>				<b>102</b>			
1.	1691	9.	0.25	1.	1248	9.	13	1.	1724	9.	$\frac{1}{10}$ 's, $\frac{3}{10}$
2.	675	10.	0.05	2.	1671	10.	12	2.	1535	10.	$\frac{1}{100}$ 's, $\frac{6}{100}$
3.	498	11.	0.66	3.	96	11.	9	3.	182	11.	1's, 4
4.	183	12.	0.1	4.	263	12.	9.9	4.	237	12.	10's, 70
5.	108999	13.	0.9	5.	445911	13.	70	5.	456504	13.	$\frac{1}{100}$ 's, $\frac{9}{100}$
6.	246323	14.	0.33	6.	508776	14.	27.5	6.	292374	14.	$\frac{1}{1000}$ 's, $\frac{8}{1000}$
7.	954	15.	0.6	7.	386	15.	70	7.	683	15.	$\frac{1}{10}$ 's, $\frac{2}{10}$
8.	596	16.	0.75	8.	917	16.	70	8.	456	16.	100's, 600
<b>89</b>				<b>96</b>				<b>103</b>			
1.	1112	9.	16	1.	831	The following are possible answers		1.	1252	9.	560
2.	1263	10.	121	2.	1537	9.	$9000 + 8000 = 17000$	2.	1253	10.	2900
3.	235	11.	36	3.	139	10.	$6700 - 2300 = 4400$	3.	163	11.	0.0017
4.	581	12.	144	4.	372	11.	$4000 \times 200 = 800000$	4.	377	12.	0.034
5.	446040	13.	49	5.	69388	12.	$5500 \div 10 = 550$	5.	406560	13.	92000
6.	159142	14.	225	6.	447189			6.	471453	14.	7500000
7.	852	15.	12	7.	654			7.	956	15.	0.000049
8.	617	16.	9	8.	570			8.	780		
<b>90</b>				<b>97</b>				<b>104</b>			
1.	1040	9.	2.67, 2.63, 2.62, 2.61, 2.60, 2.59, 2.58, 2.53	1.	1102	9.	-6°C	1.	1571	9.	$\frac{1}{3}$
2.	1246			2.	627	10.	11°C	2.	1555	10.	$\frac{1}{4}$
3.	771	10.	1.19, 1.18, 1.16, 1.14, 1.13, 1.09, 1.08, 1.07, 1.01	3.	519	11.	-7°C	3.	274	11.	$\frac{9}{10}$
4.	277			4.	352	12.	3°C	4.	176	12.	$\frac{2}{5}$
5.	102114	11.	6.73, 6.72, 6.72, 6.70, 6.69, 6.69, 6.68, 6.63	5.	614449	13.	-13°C	5.	231210	13.	$\frac{3}{4}$
6.	134652			6.	720192			6.	290472	14.	$\frac{1}{2}$
7.	495			7.	932			7.	569	15.	$\frac{1}{10}$
8.	596			8.	780			8.	708	16.	$\frac{2}{3}$
<b>91</b>				<b>98</b>				<b>105</b>			
1.	1064	9.	8647	1.	1715	9.	0.33	1.	1840	9.	$\frac{85}{100}, \frac{17}{20}$
2.	845	10.	2984	2.	1345	10.	0.5	2.	1720	10.	$\frac{12}{60}, \frac{1}{5}$
3.	395	11.	2374	3.	178	11.	0.2	3.	283	11.	$\frac{2}{7}$
4.	284	12.	6378	4.	139	12.	0.25	4.	489	12.	-
5.	308313	13.	7135	5.	213522	13.	0.66	5.	158670		
6.	238612	14.	94.75	6.	218661	14.	0.9	6.	176640		
7.	293	15.	0.6937	7.	683	15.	0.75	7.	836		
8.	807	16.	0.3761	8.	197	16.	0.8	8.	546		

<b>106</b>				<b>113</b>				<b>120</b>			
1.	1211	9.	12	1.	1283	9.	\$215.55	1.	1120	9.	0.2
2.	1332	10.	7	2.	1247	10.	\$34.90	2.	1152	10.	0.25
3.	263	11.	4.7	3.	485	11.	\$1.37	3.	258	11.	0.5
4.	458	12.	2	4.	288			4.	549	12.	0.33
5.	278175	13.	50	5.	505512			5.	253036	13.	0.75
6.	115596	14.	110	6.	431694			6.	226596	14.	0.1
7.	932	15.	30	7.	546			7.	954	15.	0.3
8.	971	16.	25.6	8.	852			8.	392	16.	0.66
<b>107</b>				<b>114</b>				<b>121</b>			
1.	1146	9.	0.05	1.	1650	9.	65	1.	1134	9.	\$228.99
2.	1540	10.	0.95	2.	1910	10.	1	2.	1524	10.	\$11.01
3.	129	11.	0.33	3.	515	11.	23	3.	299		
4.	205	12.	0.1	4.	469	12.	9	4.	576		
5.	323748	13.	0.25	5.	246645	13.	39	5.	402534		
6.	73062	14.	0.66	6.	261660	14.	85	6.	131967		
7.	750	15.	0.4	7.	654	15.	20	7.	863		
8.	671	16.	0.75	8.	825	16.	25	8.	654		
<b>108</b>				<b>115</b>				<b>122</b>			
1.	1234	9.	12	1.	1461	9.	88.125	1.	1252	9.	53
2.	1175	10.	6.5	2.	1233	10.	7.2297	2.	1935	10.	1
3.	558	11.	20	3.	458	11.	189	3.	156	11.	65
4.	369	12.	42	4.	266	12.	48.5	4.	327	12.	6
5.	293735	13.	17.5	5.	127018			5.	283268	13.	26
6.	241566	14.	120	6.	450496			6.	199356	14.	92
7.	705	15.	50	7.	971			7.	965	15.	78
8.	716	16.	232.5	8.	705			8.	870	16.	37
<b>109</b>				<b>116</b>				<b>123</b>			
1.	1460	9.	13	1.	1133	9.	7	1.	1460	9.	$\frac{7}{10}$
2.	1571	10.	-2	2.	1810	10.	8	2.	1142	10.	$\frac{1}{3}$
3.	331	11.	13	3.	127	11.	32.5	3.	686	11.	$\frac{1}{4}$
4.	356	12.	3	4.	147	12.	8	4.	467	12.	$\frac{2}{5}$
5.	346464	13.	-1	5.	293625	13.	24	5.	331128	13.	$\frac{1}{2}$
6.	348435	14.	11	6.	274014	14.	214	6.	179829	14.	$\frac{3}{4}$
7.	852	15.	-6	7.	791	15.	40	7.	825	15.	$\frac{2}{3}$
8.	945	16.	-7	8.	705	16.	80	8.	954	16.	$\frac{3}{10}$
<b>110</b>				<b>117</b>				<b>124</b>			
1.	1214	9.	55	1.	1441	The following are possible answers		1.	1713	9.	$\frac{56}{80}, \frac{7}{10}$
2.	1240	10.	2	2.	1925	9.	$7000 + 3000 = 10000$	2.	1332	10.	$\frac{13}{52}, \frac{1}{4}$
3.	127	11.	25	3.	367	10.	$9000 - 6000 = 3000$	3.	367	11.	$\frac{6}{7}$
4.	148	12.	13	4.	489	11.	$2800 \times 400 = 1120000$	4.	787	12.	-
5.	57876	13.	28	5.	157151	12.	$5400 \div 10 = 540$	5.	374283		
6.	226090	14.	93	6.	424739			6.	303506		
7.	825	15.	39	7.	780			7.	705		
8.	594	16.	23	8.	638			8.	716		
<b>111</b>				<b>118</b>				<b>125</b>			
1.	1231	9.	15%	1.	1722	9.	62	1.	1417	9.	960
2.	1513	10.	50%	2.	1341	10.	0	2.	1125	10.	5100
3.	184	11.	30%	3.	648	11.	34	3.	178	11.	0.0047
4.	344	12.	75%	4.	275	12.	37	4.	648	12.	0.063
5.	282834	13.	45%	5.	320190	13.	20	5.	406884	13.	23000
6.	494667	14.	$33\frac{1}{3}\%$	6.	462618	14.	71	6.	596160	14.	3700000
7.	671	15.	$66\frac{2}{3}\%$	7.	870	15.	21	7.	750	15.	0.000095
8.	596	16.	25%	8.	836	16.	35	8.	716		
<b>112</b>				<b>119</b>				<b>126</b>			
1.	1347	9.	690	1.	1315	9.	11	1.	1124	9.	$\frac{1}{10}$ 's, $\frac{8}{10}$
2.	1371	10.	9200	2.	1671	10.	2	2.	1253	10.	$\frac{1}{100}$ 's, $\frac{4}{100}$
3.	279	11.	0.0073	3.	689	11.	11	3.	115	11.	1's, 9
4.	379	12.	0.015	4.	432	12.	-3	4.	377	12.	10's, 70
5.	667920	13.	360000	5.	216972	13.	4	5.	156636	13.	$\frac{1}{100}$ 's, $\frac{9}{100}$
6.	334406	14.	8200000	6.	437435	14.	12	6.	154050	14.	$\frac{1}{1000}$ 's, $\frac{2}{1000}$
7.	761	15.	0.00047	7.	945	15.	-8	7.	836	15.	$\frac{1}{10}$ 's, $\frac{4}{10}$
8.	965			8.	932	16.	-11	8.	546	16.	100's, 600

<b>127</b>				<b>134</b>				<b>141</b>			
1.	1211	9.	7	1.	1810	9.	39	1.	1535	9.	103
2.	1175	10.	20	2.	1315	10.	0	2.	1840	10.	1
3.	263	11.	12	3.	147	11.	42	3.	237	11.	23
4.	369	12.	16	4.	689	12.	19	4.	283	12.	9
5.	443072	13.	60	5.	302976	13.	72	5.	377025	13.	36
6.	203500	14.	60	6.	269500	14.	59	6.	570927	14.	83
7.	932	15.	60	7.	594	15.	37	7.	386	15.	29
8.	719	16.	200	8.	329	16.	74	8.	465	16.	15
<b>128</b>				<b>135</b>				<b>142</b>			
1.	1231	9.	12	1.	1524	9.	\$179.55	1.	1540	9.	$\frac{1}{10}$ 's, $\frac{6}{10}$
2.	1247	10.	-4	2.	1713	10.	\$40.35	2.	1214	10.	$\frac{1}{100}$ 's, $\frac{7}{100}$
3.	184	11.	13	3.	576	11.	\$1.28	3.	205	11.	1's, 9
4.	288	12.	-6	4.	367			4.	127	12.	10's, 0
5.	521696	13.	2	5.	269668			5.	79692	13.	$\frac{1}{100}$ 's, $\frac{5}{100}$
6.	419949	14.	15	6.	217488			6.	236833	14.	$\frac{1}{1000}$ 's, $\frac{6}{1000}$
7.	825	15.	-5	7.	549			7.	596	15.	$\frac{1}{10}$ 's, $\frac{5}{10}$
8.	549	16.	-9	8.	923			8.	870	16.	100's, 600
<b>129</b>				<b>136</b>				<b>143</b>			
1.	1133	9.	0.2	1.	1724	9.	8.7	1.	1371	9.	730
2.	1341	10.	0.5	2.	1555	10.	15	2.	1461	10.	3900
3.	127	11.	0.66-	3.	182	11.	18	3.	379	11.	0.018
4.	275	12.	0.95	4.	176	12.	9	4.	458	12.	0.0054
5.	317457	13.	0.05	5.	274512	13.	15.4	5.	559910	13.	62000
6.	667772	14.	0.33-	6.	196053	14.	70	6.	547950	14.	4700000
7.	965	15.	0.25	7.	2320	15.	150	7.	932	15.	0.000026
8.	780	16.	0.75	8.	836	16.	120	8.	917		
<b>130</b>				<b>137</b>				<b>144</b>			
1.	1134	9.	126	1.	1146	9.	81	1.	1925	9.	\$384.80
2.	1142	10.	2	2.	1571	10.	1	2.	1120	10.	\$15.20
3.	299	11.	23	3.	129	11.	25	3.	489		
4.	467	12.	19	4.	356	12.	9	4.	258		
5.	412214	13.	34	5.	360272	13.	48	5.	346716		
6.	108352	14.	53	6.	203352	14.	62	6.	661092		
7.	932	15.	58	7.	465	15.	47	7.	923		
8.	917	16.	29	8.	285	16.	49	8.	179		
<b>131</b>				<b>138</b>				<b>145</b>			
1.	1350	9.	6700	1.	1347	The following are possible answers		1.	1935	9.	$\frac{1}{2}$
2.	1571	10.	480	2.	1910	9.	$4000 + 9000 = 13000$	2.	1417	10.	$\frac{1}{3}$
3.	147	11.	0.019	3.	279	10.	$10000 - 5000 = 5000$	3.	327	11.	$\frac{4}{5}$
4.	274	12.	0.0036	4.	469	11.	$3500 \times 500 = 1750000$	4.	178	12.	$\frac{3}{10}$
5.	229425	13.	51000	5.	523600	12.	$3000 \div 10 = 300$	5.	261800	13.	$\frac{1}{4}$
6.	171678	14.	240000	6.	418992			6.	221536	14.	$\frac{3}{4}$
7.	719	15.	0.000082	7.	971			7.	705	15.	$\frac{1}{10}$
8.	570			8.	570			8.	716	16.	$\frac{2}{3}$
<b>132</b>				<b>139</b>				<b>146</b>			
1.	1332	9.	26.5185	1.	1441	9.	0.5	1.	1252	9.	0.33-
2.	1460	10.	16.042	2.	1671	10.	0.2	2.	1720	10.	0.25
3.	458	11.	17.8	3.	367	11.	0.25	3.	163	11.	0.5
4.	331	12.	29.7	4.	432	12.	0.33-	4.	489	12.	0.4
5.	203725			5.	316701	13.	0.66-	5.	395067	13.	0.1
6.	186167			6.	160622	14.	0.6	6.	289692	14.	0.75
7.	654			7.	617	15.	0.7	7.	507	15.	0.05
8.	825			8.	965	16.	0.75	8.	716	16.	0.66-
<b>133</b>				<b>140</b>				<b>147</b>			
1.	1513	9.	$33\frac{1}{3}\%$	1.	1252	9.	14	1.	1234	9.	15
2.	1650	10.	65%	2.	1332	10.	-4	2.	1240	10.	-2
3.	344	11.	40%	3.	156	11.	12	3.	558	11.	15
4.	515	12.	90%	4.	787	12.	-3	4.	485	12.	3
5.	180960	13.	10%	5.	395814	13.	-4	5.	330280	13.	5
6.	308100	14.	$66\frac{2}{3}\%$	6.	252800	14.	14	6.	124616	14.	14
7.	780	15.	25%	7.	176	15.	-7	7.	965	15.	-7
8.	638	16.	75%	8.	569	16.	-11	8.	870	16.	-13

# Assessment Section

The Assessment section includes the following ...

1	Assessment Ideas
2	Record Sheet Masters
3	Merit Award / Certificate of Achievement Masters
4	Four Parallel Numeracy Facts Assessment Sheets
5	Four Parallel Number Strand Objectives Assessment Sheets
6	Answers

148			
1.	1283	9.	57
2.	1233	10.	2
3.	148	11.	28
4.	266	12.	15
5.	393400	13.	51
6.	168432	14.	131
7.	825	15.	32
8.	954	16.	25
149			
1.	1722	9.	$\frac{75}{30}, \frac{5}{6}$
2.	1152	10.	$\frac{14}{10}, \frac{1}{5}$
3.	648	11.	$\frac{1}{7}$
4.	549	12.	-
5.	297864		
6.	351820		
7.	825		
8.	495		
150			
1.	1460	9.	43
2.	1125	10.	12
3.	686	11.	13
4.	648	12.	40
5.	394912	13.	225
6.	321728	14.	120
7.	863	15.	240
8.	654	16.	110

# Assessment and Reporting Ideas

## Why Assess?

The main purpose of a school-based assessment is to improve learning, the quality of learning programmes and to be used for reporting progress and providing summative information.

## Assessment Sheets

### (1) Daily Sets of Questions - Informal Assessment Sheets

Each resource contains **150 sets of questions** covering the basic Numeracy facts and the Number Strand Achievement Objectives. Each set of questions can be considered as an informal assessment task. If marked immediately, pupils can receive feedback on their understanding of the numeracy facts and number strand questions covered in each daily sheet.

### (2) Formal Assessment Sheets

There are **FOUR** parallel Assessment Sheets, divided into **FIVE** sections.

*Example:* A1 = Numeracy facts assessment appropriate for each resource.

A2, A3, A4 & A5 cover the Number Strand activities from the appropriate level.

The remaining **three parallel** assessment sheets are labelled ...

B1, B2 etc.,

C1, C2 etc.,

D1, D2 etc.,

The **Assessment Sheets** are divided into **FIVE sections** so that the entire assessment does not have to be given all at once.

One Assessment Sheet can be used as a **pre-test** to identify the Numeracy skill level a pupil is already working at and / or Number Strand knowledge a pupil has. The remaining Assessment Sheets can be used as **post-tests** to monitor and report on a pupil's progress.

With any Assessment Activity, it is important that the purpose of the assessment is clearly stated to the pupils and that pupils receive feedback. Constructive feedback encourages pupils and helps to increase their confidence.

There are two important aspects to learning the Numeracy facts / Number Strand objectives - **accuracy** and **speed**.

With initial assessment tasks, such as pre-tests, pupils should be given adequate time to complete the assessment task. In this way you will be testing what they actually know, rather than limiting their results due to lack of time. As pupil's confidence and knowledge of the numeracy facts increases, a time limit can be placed on an assessment task. The objective is for pupils to answer all questions correctly in the shortest possible time.

*Example:* A pupil takes 5 minutes to answer all questions but makes 5 mistakes. The next time the pupil attempts the assessment, their aim might be to complete the task within 5 minutes, with 100% accuracy. Once this is achieved, their aim might be to complete the same task within 4 minutes with 100% accuracy. Pupils can determine their own goals.

## Answers

A copy of each Assessment Sheet has been supplied with **ANSWERS**. This can be copied and displayed to allow pupils to self mark their assessment.



## Teacher Record Sheets

Two record sheet masters supplied

### (1) Time Taken Record Sheet


A **Time Taken Record Sheet** is provided for teachers to record time taken to complete an assessment task by a pupil, as well as their results after it has been marked.

*Example:* The time taken to complete an assessment task can be noted by the teacher, as the pupil stops work and folds their arms. The results of the assessment are recorded once marked.

The degree of accuracy and the time allowed for an assessment task is to be determined by the classroom teacher, as appropriate for their class. However, there should be consistency between year groups within your school.

### (2) Pupil Progress Record Sheet

At the bottom of each section, there is a place to record the number of correct answers, obtained by counting all possible correct answers (ticks). *Example:* There may be 10 numbered questions, but 25 individual questions.

Marking Schedule (Circle S, A or D)	
S = Shows strength (30 all correct)	
A = Achieved (24 to 29 correct)	
D = Developing (less than 24 correct)	

The **degree of accuracy** required is shown in the table below.

Descriptors	Degree of Accuracy Achieved	Example:
S = Shows Strength	100% accuracy	20 out of 20
A = Achieved	80% - 99% accuracy	16 to 19 out of 20
D = Developing	less than 80% accuracy	less than 16 out of 20

The **descriptors** listed in the box are used to describe the mastery level the pupil is working at and these results can be recorded on **Pupil Progress Record Sheet**. On these sheets you can either record the actual score or one of the descriptor letters **S, A** or **D**.

The 'Complete Guide to Daily Number Revision' is a mastery programme. The **degree of accuracy** required may seem high, but if ALL pupils know what the standard is expected, they have something to aim for. Remember to allow enough time for pupils to complete each assessment task, so you are assessing what they know, before increasing the challenge by decreasing the amount of time allowed for the assessment.

The objective is for pupils to be able to **recall the basic numeracy facts / Number Strand Objectives** with **accuracy** and then later on with **accuracy** and **speed**. Pupils should be given an opportunity to redo any assessment to improve their score and as part of a maintenance programme, several times if necessary.

### (3) Merit Award & Certificate of Achievement

Pupils need to be encouraged and receive positive feedback as progress is being made. These two awards can be used for this purpose.

#### A final note

The success of this mastery programme relies on routines being established and consistency between year groups. Pupils must be well informed as to the expectations and standard of mastery required by them. With **regular maintenance** and **positive feedback**, pupils will have a greater chance of mastering the numeracy facts, therefore providing them with confidence and a good foundation for future success in mathematics.

# Time Taken Record Sheet

Class list	Assessment Code	Time taken	Assessment Code	Time taken	Assessment Code	Time taken
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						

Evaluation Copy  
AWS Publications Ltd  
All rights reserved

# Pupil Progress Record Sheet

Class list	Assessment Sheet 1					Assessment Sheet 2				
	A1	A2	A3	A4	A5	B1	B2	B3	B4	B5
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										

Descriptors	Degree of Accuracy Achieved	Example:
<b>S</b> = Shows Strength	100% accuracy	20 out of 20
<b>A</b> = Achieved	80% - 99% accuracy	16 to 19 out of 20
<b>D</b> = Developing	less than 80% accuracy	less than 16 out of 20

# Pupil Progress Record Sheet

Class list	Assessment Sheet 3					Assessment Sheet 4				
	C1	C2	C3	C4	C5	D1	D2	D3	D4	D5
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										

Descriptors	Degree of Accuracy Achieved	Example:
<b>S</b> = Shows Strength	100% accuracy	20 out of 20
<b>A</b> = Achieved	80% - 99% accuracy	16 to 19 out of 20
<b>D</b> = Developing	less than 80% accuracy	less than 16 out of 20

# Merit Award

Well done ...

---

You are working  
so hard.  
Keep it up!



Signed

# Merit Award

Well done ...

---

You are making  
great progress.  
Keep up the  
good work.



Signed

# Merit Award

Well done

---

You are making great progress.  
Keep up the good work.

Signed

# Merit Award

Well done

---

You've got it right!

Signed

# Merit Award

Well done ...

---

You are making great progress.  
Keep up the good work.

Signed

# Merit Award

Well done ...

---

You are working so hard.  
Keep it up!

Signed

**A1**

Name: \_\_\_\_\_

Class: \_\_\_\_\_

**A: Adding 3 digit numbers - no carrying**

- (1)  $357 + 130 =$  \_\_\_\_\_
- (2)  $135 + 621 =$  \_\_\_\_\_
- (3)  $502 + 326 =$  \_\_\_\_\_
- (4)  $202 + 746 =$  \_\_\_\_\_
- (5)  $280 + 216 =$  \_\_\_\_\_
- (6)  $357 + 301 =$  \_\_\_\_\_
- (7)  $120 + 148 =$  \_\_\_\_\_
- (8)  $436 + 403 =$  \_\_\_\_\_
- (9)  $514 + 245 =$  \_\_\_\_\_
- (10)  $130 + 249 =$  \_\_\_\_\_

**B: Adding 3 digit numbers - carrying**

- (1)  $993 + 947 =$  \_\_\_\_\_
- (2)  $894 + 868 =$  \_\_\_\_\_
- (3)  $728 + 895 =$  \_\_\_\_\_
- (4)  $689 + 628 =$  \_\_\_\_\_
- (5)  $975 + 395 =$  \_\_\_\_\_
- (6)  $876 + 975 =$  \_\_\_\_\_
- (7)  $768 + 873 =$  \_\_\_\_\_
- (8)  $965 + 886 =$  \_\_\_\_\_
- (9)  $497 + 759 =$  \_\_\_\_\_
- (10)  $976 + 654 =$  \_\_\_\_\_

**C: Subtracting 3 digit numbers - no renaming**

- (1)  $785 - 420 =$  \_\_\_\_\_
- (2)  $569 - 361 =$  \_\_\_\_\_
- (3)  $837 - 310 =$  \_\_\_\_\_
- (4)  $594 - 231 =$  \_\_\_\_\_
- (5)  $715 - 103 =$  \_\_\_\_\_
- (6)  $879 - 640 =$  \_\_\_\_\_
- (7)  $964 - 514 =$  \_\_\_\_\_
- (8)  $938 - 306 =$  \_\_\_\_\_
- (9)  $768 - 448 =$  \_\_\_\_\_
- (10)  $972 - 862 =$  \_\_\_\_\_

**D: Subtracting 3 digit numbers - renaming**

- (1)  $816 - 449 =$  \_\_\_\_\_
- (2)  $530 - 286 =$  \_\_\_\_\_
- (3)  $652 - 284 =$  \_\_\_\_\_
- (4)  $716 - 487 =$  \_\_\_\_\_
- (5)  $540 - 387 =$  \_\_\_\_\_
- (6)  $624 - 179 =$  \_\_\_\_\_
- (7)  $452 - 279 =$  \_\_\_\_\_
- (8)  $574 - 385 =$  \_\_\_\_\_
- (9)  $931 - 445 =$  \_\_\_\_\_
- (10)  $730 - 163 =$  \_\_\_\_\_

**E: Multiplying - mixed**

- (1)  $1 \times 6 =$  \_\_\_\_\_
- (2)  $6 \times 7 =$  \_\_\_\_\_
- (3)  $8 \times 8 =$  \_\_\_\_\_
- (4)  $4 \times 9 =$  \_\_\_\_\_
- (5)  $9 \times 2 =$  \_\_\_\_\_
- (6)  $2 \times 5 =$  \_\_\_\_\_
- (7)  $5 \times 3 =$  \_\_\_\_\_
- (8)  $7 \times 4 =$  \_\_\_\_\_
- (9)  $10 \times 6 =$  \_\_\_\_\_
- (10)  $2 \times 7 =$  \_\_\_\_\_

- (11)  $3 \times 8 =$  \_\_\_\_\_
- (12)  $7 \times 9 =$  \_\_\_\_\_
- (13)  $3 \times 2 =$  \_\_\_\_\_
- (14)  $8 \times 5 =$  \_\_\_\_\_
- (15)  $9 \times 3 =$  \_\_\_\_\_
- (16)  $4 \times 4 =$  \_\_\_\_\_
- (17)  $3 \times 6 =$  \_\_\_\_\_
- (18)  $10 \times 7 =$  \_\_\_\_\_
- (19)  $5 \times 8 =$  \_\_\_\_\_
- (20)  $0 \times 9 =$  \_\_\_\_\_

**F: Dividing - mixed**

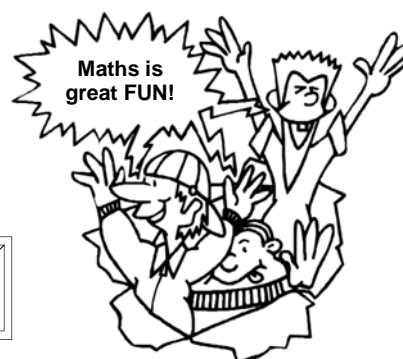
- (1)  $12 \div 2 =$  \_\_\_\_\_
- (2)  $20 \div 5 =$  \_\_\_\_\_
- (3)  $18 \div 3 =$  \_\_\_\_\_
- (4)  $8 \div 4 =$  \_\_\_\_\_
- (5)  $36 \div 6 =$  \_\_\_\_\_
- (6)  $7 \div 7 =$  \_\_\_\_\_
- (7)  $72 \div 8 =$  \_\_\_\_\_
- (8)  $45 \div 9 =$  \_\_\_\_\_
- (9)  $2 \div 2 =$  \_\_\_\_\_
- (10)  $50 \div 5 =$  \_\_\_\_\_

- (11)  $6 \div 3 =$  \_\_\_\_\_
- (12)  $24 \div 4 =$  \_\_\_\_\_
- (13)  $48 \div 6 =$  \_\_\_\_\_
- (14)  $35 \div 7 =$  \_\_\_\_\_
- (15)  $56 \div 8 =$  \_\_\_\_\_
- (16)  $81 \div 9 =$  \_\_\_\_\_
- (17)  $8 \div 2 =$  \_\_\_\_\_
- (18)  $30 \div 5 =$  \_\_\_\_\_
- (19)  $30 \div 3 =$  \_\_\_\_\_
- (20)  $36 \div 4 =$  \_\_\_\_\_

Section	Summary of Scores
A	____ / 10
B	____ / 10
C	____ / 10
D	____ / 10
E	____ / 20
F	____ / 20
<b>Total:</b>	____ / 80



Marking Schedule (Circle S, A or D)	
S = Shows strength (all correct)	80
A = Achieved (64 to 79 correct)	
D = Developing (less than 64 correct)	





**B1**

Name: \_\_\_\_\_

Class: \_\_\_\_\_

**A: Adding 3 digit numbers - no carrying**

**B: Adding 3 digit numbers - carrying**

**C: Subtracting 3 digit numbers - no renaming**

**D: Subtracting 3 digit numbers - renaming**

- (1)  $260 + 523 =$  \_\_\_\_\_
- (2)  $462 + 401 =$  \_\_\_\_\_
- (3)  $623 + 125 =$  \_\_\_\_\_
- (4)  $140 + 137 =$  \_\_\_\_\_
- (5)  $219 + 370 =$  \_\_\_\_\_
- (6)  $411 + 185 =$  \_\_\_\_\_
- (7)  $185 + 303 =$  \_\_\_\_\_
- (8)  $362 + 320 =$  \_\_\_\_\_
- (9)  $704 + 252 =$  \_\_\_\_\_
- (10)  $134 + 760 =$  \_\_\_\_\_

- (1)  $865 + 769 =$  \_\_\_\_\_
- (2)  $259 + 888 =$  \_\_\_\_\_
- (3)  $685 + 966 =$  \_\_\_\_\_
- (4)  $949 + 764 =$  \_\_\_\_\_
- (5)  $879 + 971 =$  \_\_\_\_\_
- (6)  $587 + 974 =$  \_\_\_\_\_
- (7)  $358 + 956 =$  \_\_\_\_\_
- (8)  $378 + 868 =$  \_\_\_\_\_
- (9)  $579 + 739 =$  \_\_\_\_\_
- (10)  $869 + 492 =$  \_\_\_\_\_

- (1)  $596 - 120 =$  \_\_\_\_\_
- (2)  $938 - 630 =$  \_\_\_\_\_
- (3)  $974 - 230 =$  \_\_\_\_\_
- (4)  $748 - 331 =$  \_\_\_\_\_
- (5)  $619 - 217 =$  \_\_\_\_\_
- (6)  $745 - 521 =$  \_\_\_\_\_
- (7)  $826 - 403 =$  \_\_\_\_\_
- (8)  $529 - 419 =$  \_\_\_\_\_
- (9)  $367 - 257 =$  \_\_\_\_\_
- (10)  $785 - 275 =$  \_\_\_\_\_

- (1)  $720 - 452 =$  \_\_\_\_\_
- (2)  $641 - 473 =$  \_\_\_\_\_
- (3)  $962 - 386 =$  \_\_\_\_\_
- (4)  $837 - 658 =$  \_\_\_\_\_
- (5)  $913 - 667 =$  \_\_\_\_\_
- (6)  $725 - 489 =$  \_\_\_\_\_
- (7)  $931 - 797 =$  \_\_\_\_\_
- (8)  $540 - 265 =$  \_\_\_\_\_
- (9)  $812 - 593 =$  \_\_\_\_\_
- (10)  $481 - 192 =$  \_\_\_\_\_

**E: Multiplying - mixed**

**F: Dividing - mixed**

- (1)  $4 \times 6 =$  \_\_\_\_\_
- (2)  $8 \times 7 =$  \_\_\_\_\_
- (3)  $10 \times 8 =$  \_\_\_\_\_
- (4)  $8 \times 9 =$  \_\_\_\_\_
- (5)  $2 \times 2 =$  \_\_\_\_\_
- (6)  $5 \times 5 =$  \_\_\_\_\_
- (7)  $8 \times 3 =$  \_\_\_\_\_
- (8)  $3 \times 4 =$  \_\_\_\_\_
- (9)  $7 \times 6 =$  \_\_\_\_\_
- (10)  $9 \times 7 =$  \_\_\_\_\_

- (11)  $0 \times 8 =$  \_\_\_\_\_
- (12)  $10 \times 9 =$  \_\_\_\_\_
- (13)  $8 \times 2 =$  \_\_\_\_\_
- (14)  $3 \times 5 =$  \_\_\_\_\_
- (15)  $7 \times 3 =$  \_\_\_\_\_
- (16)  $1 \times 4 =$  \_\_\_\_\_
- (17)  $5 \times 6 =$  \_\_\_\_\_
- (18)  $3 \times 7 =$  \_\_\_\_\_
- (19)  $4 \times 8 =$  \_\_\_\_\_
- (20)  $2 \times 9 =$  \_\_\_\_\_

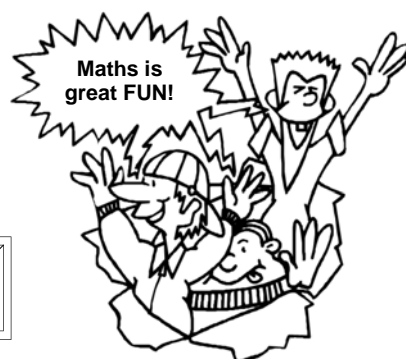
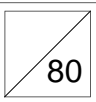
- (1)  $10 \div 2 =$  \_\_\_\_\_
- (2)  $5 \div 5 =$  \_\_\_\_\_
- (3)  $9 \div 3 =$  \_\_\_\_\_
- (4)  $40 \div 4 =$  \_\_\_\_\_
- (5)  $12 \div 6 =$  \_\_\_\_\_
- (6)  $49 \div 7 =$  \_\_\_\_\_
- (7)  $16 \div 8 =$  \_\_\_\_\_
- (8)  $54 \div 9 =$  \_\_\_\_\_
- (9)  $14 \div 2 =$  \_\_\_\_\_
- (10)  $45 \div 5 =$  \_\_\_\_\_

- (11)  $3 \div 3 =$  \_\_\_\_\_
- (12)  $32 \div 4 =$  \_\_\_\_\_
- (13)  $54 \div 6 =$  \_\_\_\_\_
- (14)  $28 \div 7 =$  \_\_\_\_\_
- (15)  $48 \div 8 =$  \_\_\_\_\_
- (16)  $27 \div 9 =$  \_\_\_\_\_
- (17)  $20 \div 2 =$  \_\_\_\_\_
- (18)  $35 \div 5 =$  \_\_\_\_\_
- (19)  $12 \div 3 =$  \_\_\_\_\_
- (20)  $20 \div 4 =$  \_\_\_\_\_

Section	Summary of Scores
A	____ / 10
B	____ / 10
C	____ / 10
D	____ / 10
E	____ / 20
F	____ / 20
<b>Total:</b>	____ / 80



**Marking Schedule (Circle S, A or D)**  
 S = Shows strength (all correct)  
 A = Achieved (64 to 79 correct)  
 D = Developing (less than 64 correct)



C1

Name: \_\_\_\_\_

Class: \_\_\_\_\_

A: Adding 3  
digit numbers  
- no carrying

- (1)  $310 + 537 =$  \_\_\_\_\_
- (2)  $126 + 531 =$  \_\_\_\_\_
- (3)  $623 + 205 =$  \_\_\_\_\_
- (4)  $647 + 202 =$  \_\_\_\_\_
- (5)  $126 + 820 =$  \_\_\_\_\_
- (6)  $130 + 735 =$  \_\_\_\_\_
- (7)  $481 + 201 =$  \_\_\_\_\_
- (8)  $340 + 643 =$  \_\_\_\_\_
- (9)  $452 + 145 =$  \_\_\_\_\_
- (10)  $492 + 301 =$  \_\_\_\_\_

B: Adding 3  
digit numbers  
- carrying

- (1)  $479 + 939 =$  \_\_\_\_\_
- (2)  $688 + 948 =$  \_\_\_\_\_
- (3)  $598 + 827 =$  \_\_\_\_\_
- (4)  $286 + 896 =$  \_\_\_\_\_
- (5)  $596 + 579 =$  \_\_\_\_\_
- (6)  $759 + 768 =$  \_\_\_\_\_
- (7)  $378 + 867 =$  \_\_\_\_\_
- (8)  $688 + 569 =$  \_\_\_\_\_
- (9)  $597 + 974 =$  \_\_\_\_\_
- (10)  $546 + 769 =$  \_\_\_\_\_

C: Subtracting  
3 digit numbers  
- no renaming

- (1)  $758 - 402 =$  \_\_\_\_\_
- (2)  $956 - 136 =$  \_\_\_\_\_
- (3)  $378 - 103 =$  \_\_\_\_\_
- (4)  $495 - 132 =$  \_\_\_\_\_
- (5)  $571 - 310 =$  \_\_\_\_\_
- (6)  $798 - 406 =$  \_\_\_\_\_
- (7)  $649 - 145 =$  \_\_\_\_\_
- (8)  $839 - 603 =$  \_\_\_\_\_
- (9)  $687 - 484 =$  \_\_\_\_\_
- (10)  $729 - 628 =$  \_\_\_\_\_

D: Subtracting  
3 digit numbers  
- renaming

- (1)  $761 - 594 =$  \_\_\_\_\_
- (2)  $503 - 168 =$  \_\_\_\_\_
- (3)  $625 - 348 =$  \_\_\_\_\_
- (4)  $961 - 578 =$  \_\_\_\_\_
- (5)  $604 - 278 =$  \_\_\_\_\_
- (6)  $542 - 397 =$  \_\_\_\_\_
- (7)  $725 - 397 =$  \_\_\_\_\_
- (8)  $547 - 358 =$  \_\_\_\_\_
- (9)  $913 - 454 =$  \_\_\_\_\_
- (10)  $703 - 236 =$  \_\_\_\_\_

E: Multiplying - mixed

- (1)  $6 \times 2 =$  \_\_\_\_\_
- (2)  $4 \times 5 =$  \_\_\_\_\_
- (3)  $6 \times 3 =$  \_\_\_\_\_
- (4)  $2 \times 4 =$  \_\_\_\_\_
- (5)  $6 \times 6 =$  \_\_\_\_\_
- (6)  $0 \times 7 =$  \_\_\_\_\_
- (7)  $9 \times 8 =$  \_\_\_\_\_
- (8)  $5 \times 9 =$  \_\_\_\_\_
- (9)  $1 \times 2 =$  \_\_\_\_\_
- (10)  $10 \times 5 =$  \_\_\_\_\_

- (11)  $2 \times 3 =$  \_\_\_\_\_
- (12)  $6 \times 4 =$  \_\_\_\_\_
- (13)  $8 \times 6 =$  \_\_\_\_\_
- (14)  $5 \times 7 =$  \_\_\_\_\_
- (15)  $7 \times 8 =$  \_\_\_\_\_
- (16)  $9 \times 9 =$  \_\_\_\_\_
- (17)  $4 \times 2 =$  \_\_\_\_\_
- (18)  $6 \times 5 =$  \_\_\_\_\_
- (19)  $10 \times 3 =$  \_\_\_\_\_
- (20)  $9 \times 4 =$  \_\_\_\_\_

F: Dividing - mixed

- (1)  $6 \div 6 =$  \_\_\_\_\_
- (2)  $42 \div 7 =$  \_\_\_\_\_
- (3)  $64 \div 8 =$  \_\_\_\_\_
- (4)  $36 \div 9 =$  \_\_\_\_\_
- (5)  $18 \div 2 =$  \_\_\_\_\_
- (6)  $10 \div 5 =$  \_\_\_\_\_
- (7)  $15 \div 3 =$  \_\_\_\_\_
- (8)  $28 \div 4 =$  \_\_\_\_\_
- (9)  $60 \div 6 =$  \_\_\_\_\_
- (10)  $14 \div 7 =$  \_\_\_\_\_

- (11)  $24 \div 8 =$  \_\_\_\_\_
- (12)  $63 \div 9 =$  \_\_\_\_\_
- (13)  $6 \div 2 =$  \_\_\_\_\_
- (14)  $40 \div 5 =$  \_\_\_\_\_
- (15)  $27 \div 3 =$  \_\_\_\_\_
- (16)  $16 \div 4 =$  \_\_\_\_\_
- (17)  $18 \div 6 =$  \_\_\_\_\_
- (18)  $70 \div 7 =$  \_\_\_\_\_
- (19)  $40 \div 8 =$  \_\_\_\_\_
- (20)  $9 \div 9 =$  \_\_\_\_\_

Section	Summary of Scores
A	____ / 10
B	____ / 10
C	____ / 10
D	____ / 10
E	____ / 20
F	____ / 20
Total:	____ / 80

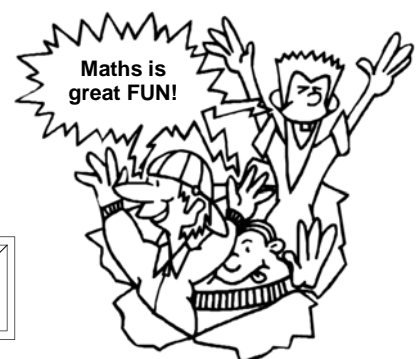


## Marking Schedule (Circle S, A or D)

S = Shows strength (all correct)

A = Achieved (64 to 79 correct)

D = Developing (less than 64 correct)



D1

Name: \_\_\_\_\_

Class: \_\_\_\_\_

A: Adding 3  
digit numbers  
- no carrying

- (1)  $235 + 602 =$  \_\_\_\_\_  
 (2)  $140 + 246 =$  \_\_\_\_\_  
 (3)  $521 + 326 =$  \_\_\_\_\_  
 (4)  $371 + 401 =$  \_\_\_\_\_  
 (5)  $192 + 703 =$  \_\_\_\_\_  
 (6)  $141 + 815 =$  \_\_\_\_\_  
 (7)  $581 + 303 =$  \_\_\_\_\_  
 (8)  $623 + 203 =$  \_\_\_\_\_  
 (9)  $470 + 225 =$  \_\_\_\_\_  
 (10)  $341 + 607 =$  \_\_\_\_\_

B: Adding 3  
digit numbers  
- carrying

- (1)  $568 + 967 =$  \_\_\_\_\_  
 (2)  $888 + 592 =$  \_\_\_\_\_  
 (3)  $669 + 856 =$  \_\_\_\_\_  
 (4)  $647 + 499 =$  \_\_\_\_\_  
 (5)  $179 + 978 =$  \_\_\_\_\_  
 (6)  $479 + 785 =$  \_\_\_\_\_  
 (7)  $659 + 853 =$  \_\_\_\_\_  
 (8)  $688 + 783 =$  \_\_\_\_\_  
 (9)  $397 + 795 =$  \_\_\_\_\_  
 (10)  $294 + 968 =$  \_\_\_\_\_

C: Subtracting  
3 digit numbers  
- no renaming

- (1)  $965 - 201 =$  \_\_\_\_\_  
 (2)  $589 - 106 =$  \_\_\_\_\_  
 (3)  $749 - 302 =$  \_\_\_\_\_  
 (4)  $847 - 133 =$  \_\_\_\_\_  
 (5)  $916 - 712 =$  \_\_\_\_\_  
 (6)  $437 - 235 =$  \_\_\_\_\_  
 (7)  $862 - 430 =$  \_\_\_\_\_  
 (8)  $295 - 194 =$  \_\_\_\_\_  
 (9)  $673 - 572 =$  \_\_\_\_\_  
 (10)  $857 - 752 =$  \_\_\_\_\_

D: Subtracting  
3 digit numbers  
- renaming

- (1)  $702 - 425 =$  \_\_\_\_\_  
 (2)  $614 - 437 =$  \_\_\_\_\_  
 (3)  $926 - 368 =$  \_\_\_\_\_  
 (4)  $873 - 685 =$  \_\_\_\_\_  
 (5)  $931 - 676 =$  \_\_\_\_\_  
 (6)  $752 - 498 =$  \_\_\_\_\_  
 (7)  $913 - 779 =$  \_\_\_\_\_  
 (8)  $504 - 256 =$  \_\_\_\_\_  
 (9)  $821 - 593 =$  \_\_\_\_\_  
 (10)  $418 - 129 =$  \_\_\_\_\_

E: Multiplying - mixed

- (1)  $5 \times 2 =$  \_\_\_\_\_  
 (2)  $1 \times 5 =$  \_\_\_\_\_  
 (3)  $3 \times 3 =$  \_\_\_\_\_  
 (4)  $10 \times 4 =$  \_\_\_\_\_  
 (5)  $2 \times 6 =$  \_\_\_\_\_  
 (6)  $7 \times 7 =$  \_\_\_\_\_  
 (7)  $2 \times 8 =$  \_\_\_\_\_  
 (8)  $6 \times 9 =$  \_\_\_\_\_  
 (9)  $7 \times 2 =$  \_\_\_\_\_  
 (10)  $9 \times 5 =$  \_\_\_\_\_

- (11)  $1 \times 3 =$  \_\_\_\_\_  
 (12)  $8 \times 4 =$  \_\_\_\_\_  
 (13)  $9 \times 6 =$  \_\_\_\_\_  
 (14)  $4 \times 7 =$  \_\_\_\_\_  
 (15)  $6 \times 8 =$  \_\_\_\_\_  
 (16)  $3 \times 9 =$  \_\_\_\_\_  
 (17)  $10 \times 2 =$  \_\_\_\_\_  
 (18)  $7 \times 5 =$  \_\_\_\_\_  
 (19)  $4 \times 3 =$  \_\_\_\_\_  
 (20)  $5 \times 4 =$  \_\_\_\_\_

F: Dividing - mixed

- (1)  $24 \div 6 =$  \_\_\_\_\_  
 (2)  $56 \div 7 =$  \_\_\_\_\_  
 (3)  $80 \div 8 =$  \_\_\_\_\_  
 (4)  $72 \div 9 =$  \_\_\_\_\_  
 (5)  $4 \div 2 =$  \_\_\_\_\_  
 (6)  $25 \div 5 =$  \_\_\_\_\_  
 (7)  $24 \div 3 =$  \_\_\_\_\_  
 (8)  $12 \div 4 =$  \_\_\_\_\_  
 (9)  $42 \div 6 =$  \_\_\_\_\_  
 (10)  $63 \div 7 =$  \_\_\_\_\_

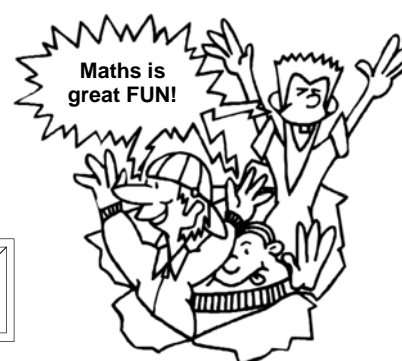
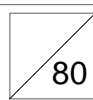
- (11)  $8 \div 8 =$  \_\_\_\_\_  
 (12)  $90 \div 9 =$  \_\_\_\_\_  
 (13)  $16 \div 2 =$  \_\_\_\_\_  
 (14)  $15 \div 5 =$  \_\_\_\_\_  
 (15)  $21 \div 3 =$  \_\_\_\_\_  
 (16)  $4 \div 4 =$  \_\_\_\_\_  
 (17)  $30 \div 6 =$  \_\_\_\_\_  
 (18)  $21 \div 7 =$  \_\_\_\_\_  
 (19)  $32 \div 8 =$  \_\_\_\_\_  
 (20)  $18 \div 9 =$  \_\_\_\_\_

Section	Summary of Scores
A	____ / 10
B	____ / 10
C	____ / 10
D	____ / 10
E	____ / 20
F	____ / 20
Total:	____ / 80



**Marking Schedule** (Circle S, A or D)

- S = Shows strength (all correct)  
 A = Achieved (64 to 79 correct)  
 D = Developing (less than 64 correct)



**A2**

Name: \_\_\_\_\_ Class: \_\_\_\_\_ L4N2

(1) Write these number words as **decimal numbers**.  
fifteen point seven six two \_\_\_\_\_  
nine point three eight six \_\_\_\_\_

(2) Write these decimal numbers as **number words**

0.945 \_\_\_\_\_  
82.673 \_\_\_\_\_

(3) Write these decimals in order of **smallest to largest**.

1.43, 1.45, 1.48, 1.46, 1.47, 1.49, 1.44, 1.40

(4) Prime numbers, multiples & factors

List the **prime numbers** between 0 and 15. \_\_\_\_\_

List the first 5 **multiples** of 8. \_\_\_\_\_

List the **factors** of 15. \_\_\_\_\_

(5) Calculate the **squares** of these numbers.

$9^2$  \_\_\_\_\_  $15^2$  \_\_\_\_\_  $8^2$  \_\_\_\_\_

(6) Calculate the **square roots** of these numbers.

$\sqrt{49}$  \_\_\_\_\_  $\sqrt{121}$  \_\_\_\_\_  $\sqrt{81}$  \_\_\_\_\_

(7) **Adding and subtracting** decimals.

$3.89 + 4.59 =$  \_\_\_\_\_  $9.52 - 5.19 =$  \_\_\_\_\_

$68.98 + 49.87 =$  \_\_\_\_\_  $39.87 - 14.99 =$  \_\_\_\_\_

(8) **Multiplying and dividing** decimals.

$\begin{array}{r} 34.16 \\ \times 5.3 \\ \hline \end{array}$   $\begin{array}{r} 875.2 \\ \times 0.42 \\ \hline \end{array}$   $0.6 \overline{) 31.44}$

$0.08 \overline{) 3.944}$

(9) **Multiplying and dividing** by 10, 100 or 1000.

$7.21 \times 100 =$  \_\_\_\_\_  $17.4 \div 100 =$  \_\_\_\_\_

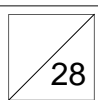
$93.6 \times 10 =$  \_\_\_\_\_  $5.18 \div 10 =$  \_\_\_\_\_

(10) **Multiplying and dividing** by powers of 10.

$6.2 \times 10^2 =$  \_\_\_\_\_  $8.9 \div 10^2 =$  \_\_\_\_\_

Marking Schedule (Circle S, A or D)

S = Shows strength (All 28 correct)  
A = Achieved (22 to 27 correct)  
D = Developing (less than 22 correct)



**A3**

Name: \_\_\_\_\_ Class: \_\_\_\_\_ L4N2

(1) How much would 7 C.D.'s at \$14.55 each cost? \_\_\_\_\_



(2) How much would 3 kilograms of meat at \$14.25 per kilogram cost? \_\_\_\_\_

(3) If 8 exercise books cost \$7.60, what is the cost of one exercise book? \_\_\_\_\_

(4) Add up Jan's shopping list / work out her change.

\$21.95  
\$19.60  
\$15.65  
\$28.60  
+ \$9.85  
-----

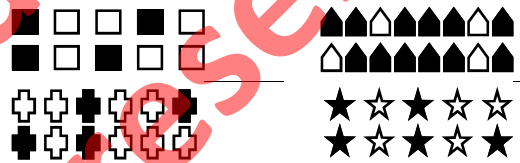
If Jan paid for her purchases with five \$20.00 notes, how much change would she get back? \_\_\_\_\_



(5) Shade in  $\frac{3}{4}$  of this group of shapes.



(6) What **fraction** of each group of shapes is shaded? (Simplify your answer)



(7) Find each fraction of these whole numbers.

$\frac{1}{2}$  of \$49 = \_\_\_\_\_  $\frac{1}{3}$  of \$51 = \_\_\_\_\_

(8) Find each fraction of these decimal numbers.

$\frac{1}{5}$  of \$29.50 = \_\_\_\_\_  $\frac{1}{4}$  of \$24.80 = \_\_\_\_\_

(9) If \$36 is shared between four people, how much does each person get? \_\_\_\_\_

(10) If \$63.70 is shared between seven people, how much does each person get? \_\_\_\_\_

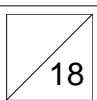
(11) Read each statement and write the information as a **fraction**. Example: 3 out of 4 is written as  $\frac{3}{4}$

Abbey scored 19 out of 25 in a test. \_\_\_\_\_

It rained 15 days out of 30 days. \_\_\_\_\_

Marking Schedule (Circle S, A or D)

S = Shows strength (All 18 correct)  
A = Achieved (14 to 17 correct)  
D = Developing (less than 14 correct)



A4

Name: \_\_\_\_\_ Class: \_\_\_\_\_ L4N2

- (1) Round these numbers to the nearest 10.  
 422 \_\_\_\_\_ 747 \_\_\_\_\_ 955 \_\_\_\_\_
- (2) Round these numbers to the nearest 100.  
 750 \_\_\_\_\_ 243 \_\_\_\_\_ 478 \_\_\_\_\_
- (3) Round these numbers to the nearest 1000.  
 6802 \_\_\_\_\_ 3150 \_\_\_\_\_ 8500 \_\_\_\_\_
- (4) Round these numbers to the nearest 10, 100 or 1000, before working out an estimated answer.
- 995 + 218 = \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_
- 4125 - 589 = \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_
- 2047 × 21 = \_\_\_\_\_ × \_\_\_\_\_ = \_\_\_\_\_
- 5985 ÷ 6 = \_\_\_\_\_ ÷ \_\_\_\_\_ = \_\_\_\_\_

(5) Order of operations.

**BEDMAS**

9 × 8 + 36 = \_\_\_\_\_ 65 ÷ 5 - 8 = \_\_\_\_\_

61 - 7 × 6 = \_\_\_\_\_ 84 - 72 ÷ 8 = \_\_\_\_\_

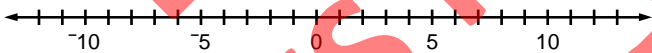
(6) Calculate the new temperature.

Starting temperature 4°C, drops 9°C. \_\_\_\_\_

Starting temperature -5°C, rises 7°C. \_\_\_\_\_

Starting temperature -4°C, drops 5°C. \_\_\_\_\_

(7) Add these positive and negative numbers



-3 + 6 = \_\_\_\_\_ 5 + -5 = \_\_\_\_\_

4 + -10 = \_\_\_\_\_ -8 + -3 = \_\_\_\_\_

(7) What is the place value of the BOLD digit in each number and what does it mean?

Example: place value = 1/10's, 1/100's, 1's, 10's or 100's

Place value	Number	Place value	Number
_____	69.43	_____	72.91
_____	74.80	_____	95.54

Marking Schedule (Circle S, A or D)

- S = Shows strength (All 32 correct)
- A = Achieved (26 to 31 correct)
- D = Developing (less than 26 correct)



A5

Name: \_\_\_\_\_ Class: \_\_\_\_\_ L4N2

(1) Complete each calculation to create equivalent fractions. Example: 1/2 × 8/8 = 8/16

1/4 × 7/7 = \_\_\_\_\_ 1/3 × 4/4 = \_\_\_\_\_

2/3 × 3/3 = \_\_\_\_\_ 3/4 × 6/6 = \_\_\_\_\_

3/5 × 9/9 = \_\_\_\_\_ 7/10 × 10/10 = \_\_\_\_\_

(2) Match these equivalent fractions.

Example: 1/2 = 8/16



3/12 = \_\_\_\_\_ 1/5 = \_\_\_\_\_

2/3 = \_\_\_\_\_ 9/12 = \_\_\_\_\_

4/10 = \_\_\_\_\_ 5/6 = \_\_\_\_\_

Answers:

3/4    1/4

4/20    8/12

10/12    2/5

(3) Convert these fractions to decimals.

Example: 1/2 = 0.5

1/4 = \_\_\_\_\_ 1/2 = \_\_\_\_\_

1/3 = \_\_\_\_\_ 7/10 = \_\_\_\_\_

3/4 = \_\_\_\_\_ 3/5 = \_\_\_\_\_

(4) Convert these decimals to fractions.

Example: 0.5 = 1/2

0.1 = \_\_\_\_\_ 0.5 = \_\_\_\_\_

0.66 = \_\_\_\_\_ 0.33 = \_\_\_\_\_

0.25 = \_\_\_\_\_ 0.75 = \_\_\_\_\_

(6) Convert these percentages to decimals.

Example: 50% = 0.5

25% = \_\_\_\_\_ 60% = \_\_\_\_\_

50% = \_\_\_\_\_ 75% = \_\_\_\_\_

33 1/3% = \_\_\_\_\_ 85% = \_\_\_\_\_

(6) Convert these decimals to percentages.

Example: 0.5 = 50%

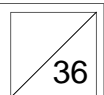
0.5 = \_\_\_\_\_ 0.6 = \_\_\_\_\_

0.85 = \_\_\_\_\_ 0.33 = \_\_\_\_\_

0.25 = \_\_\_\_\_ 0.75 = \_\_\_\_\_

Marking Schedule (Circle S, A or D)

- S = Shows strength (All 36 correct)
- A = Achieved (29 to 35 correct)
- D = Developing (less than 29 correct)



**B2**

Name: \_\_\_\_\_ Class: \_\_\_\_\_

L4N2

(1) Write these number words as **decimal numbers**.  
zero point five nine eight \_\_\_\_\_  
seventy-two point four two one \_\_\_\_\_

(2) Write these decimal numbers as **number words**

34.675 \_\_\_\_\_  
5.039 \_\_\_\_\_

(3) Write these decimals in order of **smallest to largest**.

4.30, 4.33, 4.35, 4.37, 4.39, 4.34, 4.38, 4.36

(4) Prime numbers, multiples & factors

List the **prime numbers** between 10 and 25. \_\_\_\_\_

List the first 5 **multiples** of 6. \_\_\_\_\_

List the **factors** of 28. \_\_\_\_\_

(5) Calculate the **squares** of these numbers.

$9^2$  \_\_\_\_\_  $11^2$  \_\_\_\_\_  $7^2$  \_\_\_\_\_

(6) Calculate the **square roots** of these numbers.

$\sqrt{100}$  \_\_\_\_\_  $\sqrt{36}$  \_\_\_\_\_  $\sqrt{144}$  \_\_\_\_\_

(7) **Adding and subtracting** decimals.

$2.69 + 8.87 =$  \_\_\_\_\_  $9.35 - 7.53 =$  \_\_\_\_\_  
 $95.97 + 49.38 =$  \_\_\_\_\_  $59.16 - 34.58 =$  \_\_\_\_\_

(8) **Multiplying and dividing** decimals.

$49.35 \times 4.5 =$  \_\_\_\_\_  $120.8 \times 0.23 =$  \_\_\_\_\_  
 $0.7 \overline{) 38.36} =$  \_\_\_\_\_

$0.09 \overline{) 5.643} =$  \_\_\_\_\_

(9) **Multiplying and dividing** by 10, 100 or 1000.

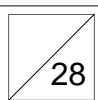
$8.27 \times 100 =$  \_\_\_\_\_  $56.1 \div 100 =$  \_\_\_\_\_  
 $34.1 \times 10 =$  \_\_\_\_\_  $2.09 \div 10 =$  \_\_\_\_\_

(10) **Multiplying and dividing** by powers of 10.

$7.8 \times 10^2 =$  \_\_\_\_\_  $6.5 \div 10^2 =$  \_\_\_\_\_

Marking Schedule (Circle S, A or D)


S = Shows strength (All 28 correct)  
A = Achieved (22 to 27 correct)  
D = Developing (less than 22 correct)



**B3**

Name: \_\_\_\_\_ Class: \_\_\_\_\_


L4N2

(1) How much would 7 C.D.'s at \$19.45 each cost? \_\_\_\_\_ 

(2) How much would 3 kilograms of meat at \$15.25 per kilogram cost? \_\_\_\_\_

(3) If 8 exercise books cost \$8.40, what is the cost of one exercise book? \_\_\_\_\_

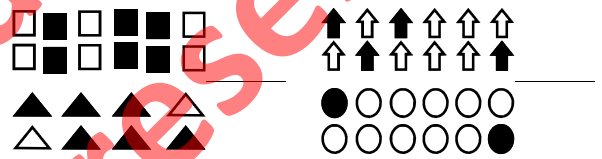
(4) Add up Jan's shopping list / work out her change.

\$24.70  
\$31.65  
\$7.85  
\$22.55  
+ \$7.80  
-----  
If Jan paid for her purchases with five \$20.00 notes, how much change would she get back? \_\_\_\_\_ 

(5) Shade in  $\frac{2}{3}$  of this group of shapes.



(6) What **fraction** of each group of shapes is shaded? (Simplify your answer)



(7) Find each fraction of these whole numbers.

$\frac{1}{4}$  of \$72 = \_\_\_\_\_  $\frac{1}{2}$  of \$47 = \_\_\_\_\_

(8) Find each fraction of these decimal numbers.

$\frac{1}{3}$  of \$24.96 = \_\_\_\_\_  $\frac{1}{5}$  of \$39.50 = \_\_\_\_\_

(9) If \$64 is shared between eight people, how much does each person get? \_\_\_\_\_

(10) If \$83.50 is shared between five people, how much does each person get? \_\_\_\_\_

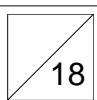
(11) Read each statement and write the information as a **fraction**. Example: 3 out of 4 is written as  $\frac{3}{4}$

Abbey scored 18 out of 25 in a test. \_\_\_\_\_

It rained 12 days out of 30 days. \_\_\_\_\_

Marking Schedule (Circle S, A or D)

S = Shows strength (All 18 correct)  
A = Achieved (14 to 17 correct)  
D = Developing (less than 14 correct)





**B4**

Name: \_\_\_\_\_ Class: \_\_\_\_\_ L4N2

- (1) **Round these numbers to the nearest 10.**  
 863 \_\_\_\_\_ 275 \_\_\_\_\_ 491 \_\_\_\_\_
- (2) **Round these numbers to the nearest 100.**  
 639 \_\_\_\_\_ 787 \_\_\_\_\_ 450 \_\_\_\_\_
- (3) **Round these numbers to the nearest 1000.**  
 1952 \_\_\_\_\_ 3500 \_\_\_\_\_ 8369 \_\_\_\_\_
- (4) **Round these numbers to the nearest 10, 100 or 1000, before working out an estimated answer.**
- |                  |   |                  |   |       |
|------------------|---|------------------|---|-------|
| $395 + 743$      | + | $75 \div 5 - 11$ | = |       |
| _____            |   | _____            |   | _____ |
| $9134 - 879$     | - | $64 - 49 \div 7$ | = |       |
| _____            |   | _____            |   | _____ |
| $8014 \times 18$ | × |                  | = |       |
| _____            |   |                  |   | _____ |
| $7053 \div 7$    | ÷ |                  | = |       |
| _____            |   |                  |   | _____ |

**BEDMAS**

- (5) **Order of operations.**
- |                           |                          |
|---------------------------|--------------------------|
| $9 \times 7 + 52 =$ _____ | $75 \div 5 - 11 =$ _____ |
| $83 - 8 \times 8 =$ _____ | $64 - 49 \div 7 =$ _____ |
- (6) **Calculate the new temperature.**
- Starting temperature  $5^{\circ}\text{C}$ , drops  $8^{\circ}\text{C}$ . \_\_\_\_\_
- Starting temperature  $-4^{\circ}\text{C}$ , rises  $9^{\circ}\text{C}$ . \_\_\_\_\_
- Starting temperature  $-3^{\circ}\text{C}$ , drops  $6^{\circ}\text{C}$ . \_\_\_\_\_
- (7) **Add these positive and negative numbers**
- 
- |                   |                   |
|-------------------|-------------------|
| $-2 + 11 =$ _____ | $3 + -9 =$ _____  |
| $6 + -8 =$ _____  | $-6 + -5 =$ _____ |
- (8) **What is the place value of the BOLD digit in each number and what does it mean?**  
 Example: place value =  $\frac{1}{10}$ 's,  $\frac{1}{100}$ 's, 1's, 10's or 100's
- | Place value | Number         | Place value | Number         |
|-------------|----------------|-------------|----------------|
| _____       | 59. <b>7</b> 4 | _____       | 46. <b>7</b> 5 |
| _____       | 83. <b>6</b> 0 | _____       | 37. <b>0</b> 9 |

**Marking Schedule (Circle S, A or D)**

S = Shows strength (All 32 correct)

A = Achieved (26 to 31 correct)

D = Developing (less than 26 correct)

32

**B5**

Name: \_\_\_\_\_ Class: \_\_\_\_\_ L4N2

- (1) **Complete each calculation to create equivalent fractions.** Example:  $\frac{1}{2} \times \frac{8}{8} = \frac{8}{16}$
- |  |  |
|--|--|
| $\frac{1}{6} \times \frac{4}{4} =$ _____ | $\frac{1}{4} \times \frac{5}{5} =$ _____   |
| $\frac{3}{4} \times \frac{9}{9} =$ _____ | $\frac{9}{10} \times \frac{8}{8} =$ _____  |
| $\frac{4}{5} \times \frac{7}{7} =$ _____ | $\frac{1}{3} \times \frac{10}{10} =$ _____ |
- (2) **Match these equivalent fractions.**
- Example:  $\frac{1}{2} = \frac{8}{16}$
- |                        |                         |  |
|------------------------|-------------------------|--|
| $\frac{1}{3} =$ _____  | $\frac{12}{20} =$ _____ | Answers:<br>$\frac{4}{12}$ $\frac{2}{3}$<br>$\frac{8}{10}$ $\frac{3}{5}$<br>$\frac{9}{12}$ $\frac{1}{6}$ |
| $\frac{2}{12} =$ _____ | $\frac{3}{4} =$ _____   |  |
| $\frac{4}{5} =$ _____  | $\frac{8}{12} =$ _____  |  |
|                        |                         |  |
- (3) **Convert these fractions to decimals.**
- Example:  $\frac{1}{2} = 0.5$
- |                        |                       |
|------------------------|-----------------------|
| $\frac{1}{2} =$ _____  | $\frac{4}{5} =$ _____ |
| $\frac{3}{10} =$ _____ | $\frac{1}{4} =$ _____ |
| $\frac{3}{4} =$ _____  | $\frac{2}{3} =$ _____ |
- (4) **Convert these decimals to fractions.**
- Example:  $0.5 = \frac{1}{2}$
- |                |                |
|----------------|----------------|
| $0.25 =$ _____ | $0.8 =$ _____  |
| $0.3 =$ _____  | $0.75 =$ _____ |
| $0.66 =$ _____ | $0.5 =$ _____  |
- (5) **Convert these percentages to decimals.**
- Example:  $50\% = 0.5$
- |                |                           |
|----------------|---------------------------|
| $5\% =$ _____  | $30\% =$ _____            |
| $50\% =$ _____ | $80\% =$ _____            |
| $75\% =$ _____ | $66\frac{2}{3}\% =$ _____ |
- (6) **Convert these decimals to percentages.**
- Example:  $0.5 = 50\%$
- |                |                |
|----------------|----------------|
| $0.8 =$ _____  | $0.75 =$ _____ |
| $0.66 =$ _____ | $0.05 =$ _____ |
| $0.5 =$ _____  | $0.3 =$ _____  |

**Marking Schedule (Circle S, A or D)**

S = Shows strength (All 36 correct)

A = Achieved (29 to 35 correct)

D = Developing (less than 29 correct)

36

**C2**

Name: \_\_\_\_\_ Class: \_\_\_\_\_

L4N2

(1) Write these number words as **decimal numbers**.

thirty-four point five seven six \_\_\_\_\_

three point zero nine five \_\_\_\_\_

(2) Write these decimal numbers as **number words**

1.905 \_\_\_\_\_

43.768 \_\_\_\_\_

(3) Write these decimals in order of **smallest to largest**.

9.27, 9.29, 9.24, 9.28, 9.26, 9.20, 9.23, 9.25

\_\_\_\_\_

(4) Prime numbers, multiples & factors

List the **prime numbers** between 0 and 15. \_\_\_\_\_

List the first 5 **multiples** of 9. \_\_\_\_\_

List the **factors** of 21. \_\_\_\_\_

(5) Calculate the **squares** of these numbers.

$12^2$  \_\_\_\_\_  $6^2$  \_\_\_\_\_  $10^2$  \_\_\_\_\_

(6) Calculate the **square roots** of these numbers.

$\sqrt{225}$  \_\_\_\_\_  $\sqrt{81}$  \_\_\_\_\_  $\sqrt{121}$  \_\_\_\_\_

(7) **Adding and subtracting** decimals.

$3.98 + 5.94 =$  \_\_\_\_\_  $9.41 - 3.38 =$  \_\_\_\_\_

$27.94 + 96.78 =$  \_\_\_\_\_  $58.74 - 22.97 =$  \_\_\_\_\_

(8) **Multiplying and dividing** decimals.

$16.43 \times 5.2$

$257.8 \times 0.34$

$0.6 \overline{) 38.10}$

\_\_\_\_\_

$0.09 \overline{) 4.455}$

(9) **Multiplying and dividing** by 10, 100 or 1000.

$2.19 \times 100 =$  \_\_\_\_\_  $37.5 \div 100 =$  \_\_\_\_\_

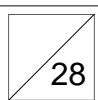
$94.6 \times 10 =$  \_\_\_\_\_  $6.08 \div 10 =$  \_\_\_\_\_

(10) **Multiplying and dividing** by powers of 10.

$2.6 \times 10^2 =$  \_\_\_\_\_  $7.4 \div 10^2 =$  \_\_\_\_\_

**Marking Schedule (Circle S, A or D)**

- S = Shows strength (All 28 correct)
- A = Achieved (22 to 27 correct)
- D = Developing (less than 22 correct)



**C3**

Name: \_\_\_\_\_ Class: \_\_\_\_\_

L4N2

(1) How much would 7 C.D.'s at \$17.95 each cost? \_\_\_\_\_



(2) How much would 3 kilograms of meat at \$11.45 per kilogram cost? \_\_\_\_\_

(3) If 8 exercise books cost \$10.00, what is the cost of one exercise book? \_\_\_\_\_

(4) Add up Jan's shopping list / work out her change.

\$12.95

\$27.50

\$16.90

\$33.65

+ \$5.95

If Jan paid for her purchases with five \$20.00 notes, how much change would she get back?

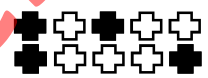


\_\_\_\_\_

(5) Shade in  $\frac{3}{4}$  of this group of shapes.



(6) What **fraction** of each group of shapes is shaded? (Simplify your answer)



(7) Find each fraction of these whole numbers.

$\frac{1}{5}$  of \$85 = \_\_\_\_\_  $\frac{1}{4}$  of \$84 = \_\_\_\_\_

(8) Find each fraction of these decimal numbers.

$\frac{1}{2}$  of \$31.50 = \_\_\_\_\_  $\frac{1}{3}$  of \$45.60 = \_\_\_\_\_

(9) If \$48 is shared between six people, how much does each person get? \_\_\_\_\_

(10) If \$56.70 is shared between nine people, how much does each person get? \_\_\_\_\_

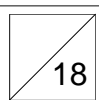
(11) Read each statement and write the information as a **fraction**. Example: 3 out of 4 is written as  $\frac{3}{4}$

Abbey scored 21 out of 50 in a test. \_\_\_\_\_

It rained 24 days out of 30 days. \_\_\_\_\_

**Marking Schedule (Circle S, A or D)**

- S = Shows strength (All 18 correct)
- A = Achieved (14 to 17 correct)
- D = Developing (less than 14 correct)



**C4**

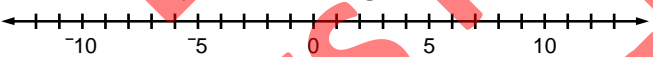
Name: \_\_\_\_\_ Class: \_\_\_\_\_ L4N2

- (1) **Round these numbers to the nearest 10.**  
 831 \_\_\_\_\_ 568 \_\_\_\_\_ 375 \_\_\_\_\_
- (2) **Round these numbers to the nearest 100.**  
 669 \_\_\_\_\_ 750 \_\_\_\_\_ 438 \_\_\_\_\_
- (3) **Round these numbers to the nearest 1000.**  
 5500 \_\_\_\_\_ 1858 \_\_\_\_\_ 8207 \_\_\_\_\_
- (4) **Round these numbers to the nearest 10, 100 or 1000, before working out an estimated answer.**
- 862 + 133 = \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_
- 9037 - 849 = \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_
- 3832 × 22 = \_\_\_\_\_ × \_\_\_\_\_ = \_\_\_\_\_
- 7953 ÷ 8 = \_\_\_\_\_ ÷ \_\_\_\_\_ = \_\_\_\_\_

**BEDMAS**

- (5) **Order of operations.**
- 6 × 7 + 57 = \_\_\_\_\_ 90 ÷ 5 - 12 = \_\_\_\_\_
- 102 - 8 × 9 = \_\_\_\_\_ 73 - 63 ÷ 7 = \_\_\_\_\_

- (6) **Calculate the new temperature.**
- Starting temperature 5°C, drops 10°C. \_\_\_\_\_
- Starting temperature -5°C, rises 9°C. \_\_\_\_\_
- Starting temperature -3°C, drops 9°C. \_\_\_\_\_

- (7) **Add these positive and negative numbers**
- 
- 4 + 9 = \_\_\_\_\_ 6 + -11 = \_\_\_\_\_
- 5 + -7 = \_\_\_\_\_ -7 + -4 = \_\_\_\_\_

- (8) **What is the place value of the BOLD digit in each number and what does it mean?**  
 Example: place value = 1/10's, 1/100's, 1's, 10's or 100's
- | Place value | Number | Place value | Number |
|-------------|--------|-------------|--------|
| _____       | 52.47  | _____       | 98.06  |
| _____       | 85.84  | _____       | 13.52  |

**Marking Schedule (Circle S, A or D)**

S = Shows strength (All 32 correct)

A = Achieved (26 to 31 correct)


D = Developing (less than 26 correct)

32

**C5**

Name: \_\_\_\_\_ Class: \_\_\_\_\_ L4N2

- (1) **Complete each calculation to create equivalent fractions.** Example:  $\frac{1}{2} \times \frac{8}{8} = \frac{8}{16}$
- $\frac{1}{5} \times \frac{5}{5} =$  \_\_\_\_\_  $\frac{1}{2} \times \frac{3}{3} =$  \_\_\_\_\_
- $\frac{4}{5} \times \frac{8}{8} =$  \_\_\_\_\_  $\frac{2}{3} \times \frac{9}{9} =$  \_\_\_\_\_
- $\frac{3}{4} \times \frac{6}{6} =$  \_\_\_\_\_  $\frac{9}{10} \times \frac{10}{10} =$  \_\_\_\_\_

- (2) **Match these equivalent fractions.** 
- Example:  $\frac{1}{2} = \frac{8}{16}$
- $\frac{1}{2} =$  \_\_\_\_\_  $\frac{8}{10} =$  \_\_\_\_\_
- $\frac{9}{12} =$  \_\_\_\_\_  $\frac{1}{3} =$  \_\_\_\_\_
- $\frac{5}{6} =$  \_\_\_\_\_  $\frac{4}{16} =$  \_\_\_\_\_
- Answers:

$\frac{3}{4}$   $\frac{1}{4}$

$\frac{10}{20}$   $\frac{4}{12}$

$\frac{15}{18}$   $\frac{4}{5}$

- (3) **Convert these fractions to decimals.**
- Example:  $\frac{1}{2} = 0.5$
- $\frac{1}{4} =$  \_\_\_\_\_  $\frac{1}{2} =$  \_\_\_\_\_
- $\frac{7}{10} =$  \_\_\_\_\_  $\frac{3}{5} =$  \_\_\_\_\_
- $\frac{3}{4} =$  \_\_\_\_\_  $\frac{2}{3} =$  \_\_\_\_\_

- (4) **Convert these decimals to fractions.**
- Example:  $0.5 = \frac{1}{2}$
- 0.75 = \_\_\_\_\_ 0.25 = \_\_\_\_\_
- 0.66 = \_\_\_\_\_ 0.5 = \_\_\_\_\_
- 0.6 = \_\_\_\_\_ 0.7 = \_\_\_\_\_

- (5) **Convert these percentages to decimals.**
- Example: 50% = 0.5
- 75% = \_\_\_\_\_ 60% = \_\_\_\_\_
- 40% = \_\_\_\_\_  $33\frac{1}{3}\%$  = \_\_\_\_\_
- 25% = \_\_\_\_\_ 50% = \_\_\_\_\_

- (6) **Convert these decimals to percentages.**
- Example: 0.5 = 50%
- 0.6 = \_\_\_\_\_ 0.25 = \_\_\_\_\_
- 0.33 = \_\_\_\_\_ 0.4 = \_\_\_\_\_
- 0.75 = \_\_\_\_\_ 0.5 = \_\_\_\_\_

**Marking Schedule (Circle S, A or D)**

S = Shows strength (All 36 correct)

A = Achieved (29 to 35 correct)

D = Developing (less than 29 correct)

36

**D2**

Name: \_\_\_\_\_ Class: \_\_\_\_\_

L4N2

(1) Write these number words as **decimal numbers**.  
 nine point one zero five \_\_\_\_\_  
 sixty-seven point three eight four \_\_\_\_\_

(2) Write these decimal numbers as **number words**

15.672 \_\_\_\_\_  
 3.689 \_\_\_\_\_

(3) Write these decimals in order of **smallest to largest**.

6.15, 6.17, 6.19, 6.18, 6.16, 6.14, 6.10, 6.13

(4) Prime numbers, multiples & factors

List the **prime numbers** between 20 and 35. \_\_\_\_\_

List the first 5 **multiples** of 7. \_\_\_\_\_

List the **factors** of 24. \_\_\_\_\_

(5) Calculate the **squares** of these numbers.

$11^2$  \_\_\_\_\_  $9^2$  \_\_\_\_\_  $15^2$  \_\_\_\_\_

(6) Calculate the **square roots** of these numbers.

$\sqrt{64}$  \_\_\_\_\_  $\sqrt{144}$  \_\_\_\_\_  $\sqrt{100}$  \_\_\_\_\_

(7) **Adding and subtracting** decimals.

$4.79 + 4.89 =$  \_\_\_\_\_  $7.49 - 2.66 =$  \_\_\_\_\_  
 $94.79 + 39.68 =$  \_\_\_\_\_  $76.13 - 54.65 =$  \_\_\_\_\_

(8) **Multiplying and dividing** decimals.

$$\begin{array}{r} 35.94 \\ \times 2.4 \\ \hline \end{array}$$

$$\begin{array}{r} 208.1 \\ \times 0.35 \\ \hline \end{array}$$

$$0.7 \overline{) 27.72}$$

$$0.08 \overline{) 6.280}$$

(9) **Multiplying and dividing** by 10, 100 or 1000.

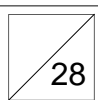
$4.18 \times 100 =$  \_\_\_\_\_  $17.3 \div 100 =$  \_\_\_\_\_  
 $35.9 \times 10 =$  \_\_\_\_\_  $5.36 \div 10 =$  \_\_\_\_\_

(10) **Multiplying and dividing** by powers of 10.

$1.9 \times 10^2 =$  \_\_\_\_\_  $8.2 \div 10^2 =$  \_\_\_\_\_

Marking Schedule (Circle S, A or D)


S = Shows strength (All 28 correct)  
 A = Achieved (22 to 27 correct)  
 D = Developing (less than 22 correct)



**D3**

Name: \_\_\_\_\_ Class: \_\_\_\_\_


L4N2

(1) How much would 7 C.D.'s at \$16.45 each cost? \_\_\_\_\_ 

(2) How much would 3 kilograms of meat at \$11.75 per kilogram cost? \_\_\_\_\_

(3) If 8 exercise books cost \$6.80, what is the cost of one exercise book? \_\_\_\_\_

(4) Add up Jan's shopping list / work out her change.

$\begin{array}{r} \$17.85 \\ \$30.65 \\ \$21.10 \\ \$19.65 \\ + \$2.60 \\ \hline \end{array}$  If Jan paid for her purchases with five \$20.00 notes, how much change would she get back? \_\_\_\_\_ 

(5) Shade in  $\frac{2}{3}$  of this group of shapes.



(6) What **fraction** of each group of shapes is shaded? (Simplify your answer)



(7) Find each fraction of these whole numbers.

$\frac{1}{3}$  of \$45 = \_\_\_\_\_  $\frac{1}{5}$  of \$70 = \_\_\_\_\_

(8) Find each fraction of these decimal numbers.

$\frac{1}{4}$  of \$40.80 = \_\_\_\_\_  $\frac{1}{2}$  of \$41.50 = \_\_\_\_\_

(9) If \$36 is shared between ten people, how much does each person get? \_\_\_\_\_

(10) If \$28.95 is shared between three people, how much does each person get? \_\_\_\_\_

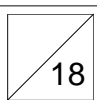
(11) Read each statement and write the information as a **fraction**. Example: 3 out of 4 is written as  $\frac{3}{4}$

Abbey scored 37 out of 50 in a test. \_\_\_\_\_

It rained 18 days out of 30 days. \_\_\_\_\_

Marking Schedule (Circle S, A or D)

S = Shows strength (All 18 correct)  
 A = Achieved (14 to 17 correct)  
 D = Developing (less than 14 correct)

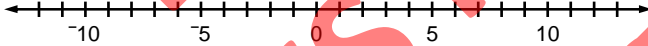


D4

Name: \_\_\_\_\_ Class: \_\_\_\_\_ L4N2

- (1) Round these numbers to the nearest 10.  
 584 \_\_\_\_\_ 765 \_\_\_\_\_ 613 \_\_\_\_\_
- (2) Round these numbers to the nearest 100.  
 487 \_\_\_\_\_ 250 \_\_\_\_\_ 946 \_\_\_\_\_
- (3) Round these numbers to the nearest 1000.  
 3761 \_\_\_\_\_ 7386 \_\_\_\_\_ 4500 \_\_\_\_\_
- (4) Round these numbers to the nearest 10, 100 or 1000, before working out an estimated answer.
- |            |   |  |   |  |
|------------|---|--|---|--|
| 216 + 838  | + |  | = |  |
| 5238 - 979 | - |  | = |  |
| 1894 × 17  | × |  | = |  |
| 9059 ÷ 9   | ÷ |  | = |  |

**BEDMAS**

- (5) Order of operations.
- |                    |  |                     |
|--------------------|--|---------------------|
| 8 × 7 + 54 = _____ |  | 95 ÷ 5 - 6 = _____  |
| 87 - 6 × 8 = _____ |  | 79 - 72 ÷ 9 = _____ |
- (6) Calculate the new temperature.
- Starting temperature 9°C, drops 10°C. \_\_\_\_\_
- Starting temperature -4°C, rises 9°C. \_\_\_\_\_
- Starting temperature -2°C, drops 8°C. \_\_\_\_\_
- (7) Add these positive and negative numbers
- 
- |                |  |                 |
|----------------|--|-----------------|
| -4 + 8 = _____ |  | 3 + -8 = _____  |
| 6 + -9 = _____ |  | -7 + -4 = _____ |
- (8) What is the place value of the BOLD digit in each number and what does it mean?  
 Example: place value = 1/10's, 1/100's, 1's, 10's or 100's
- | Place value | Number | Place value | Number         |
|-------------|--------|-------------|----------------|
|             | 78.29  |             | <b>8</b> 4.36  |
|             | 81.93  |             | 97. <b>6</b> 2 |


**Marking Schedule (Circle S, A or D)**

- S = Shows strength (All 32 correct)
- A = Achieved (26 to 31 correct)
- D = Developing (less than 26 correct)



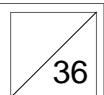
D5

Name: \_\_\_\_\_ Class: \_\_\_\_\_ L4N2

- (1) Complete each calculation to create equivalent fractions. Example:  $\frac{1}{2} \times \frac{4}{4} = \frac{4}{8}$
- |  |   |
|--|---|
| $\frac{1}{2} \times \frac{5}{5} =$ _____ | $\frac{1}{4} \times \frac{7}{7} =$ _____    |
| $\frac{3}{5} \times \frac{6}{6} =$ _____ | $\frac{3}{4} \times \frac{9}{9} =$ _____    |
| $\frac{2}{3} \times \frac{3}{3} =$ _____ | $\frac{7}{10} \times \frac{10}{10} =$ _____ |
- (2) Match these equivalent fractions. 
- Example:  $\frac{1}{2} = \frac{8}{16}$
- |                         |                        |  |
|-------------------------|------------------------|--|
| $\frac{1}{3} =$ _____   | $\frac{9}{12} =$ _____ | Answers:<br>$\frac{4}{12}$ $\frac{3}{4}$<br>$\frac{6}{10}$ $\frac{1}{4}$<br>$\frac{8}{12}$ $\frac{5}{6}$ |
| $\frac{10}{12} =$ _____ | $\frac{3}{5} =$ _____  |  |
| $\frac{2}{3} =$ _____   | $\frac{5}{20} =$ _____ |  |
- (3) Convert these fractions to decimals.
- Example:  $\frac{1}{2} = 0.5$
- |                       |                        |
|-----------------------|------------------------|
| $\frac{1}{2} =$ _____ | $\frac{2}{5} =$ _____  |
| $\frac{3}{4} =$ _____ | $\frac{7}{10} =$ _____ |
| $\frac{2}{3} =$ _____ | $\frac{1}{4} =$ _____  |
- (4) Convert these decimals to fractions.
- Example: 0.5 =  $\frac{1}{2}$
- |             |              |
|-------------|--------------|
| 0.5 = _____ | 0.75 = _____ |
| 0.7 = _____ | 0.66 = _____ |
| 0.4 = _____ | 0.25 = _____ |
- (5) Convert these percentages to decimals.
- Example: 50% = 0.5
- |             |                            |
|-------------|----------------------------|
| 50% = _____ | 25% = _____                |
| 5% = _____  | 60% = _____                |
| 75% = _____ | 66 $\frac{2}{3}$ % = _____ |
- (6) Convert these decimals to percentages.
- Example: 0.5 = 50%
- |              |              |
|--------------|--------------|
| 0.05 = _____ | 0.5 = _____  |
| 0.25 = _____ | 0.6 = _____  |
| 0.66 = _____ | 0.75 = _____ |

**Marking Schedule (Circle S, A or D)**

- S = Shows strength (All 36 correct)
- A = Achieved (29 to 35 correct)
- D = Developing (less than 29 correct)



**Evaluation Copy**  
**AWS Publications Ltd**  
**All rights reserved**



# Assessment Answers

These masters can be used to read out the answers or be photocopied and displayed on the wall for pupils to self mark.

Evaluation Copy  
AWS Publications Ltd  
All rights reserved

A1

Name: \_\_\_\_\_ Answers \_\_\_\_\_ Class: \_\_\_\_\_

A: Adding 3  
digit numbers  
- no carrying

1.  $357 + 130 = \underline{487}$
2.  $135 + 621 = \underline{756}$
3.  $502 + 326 = \underline{828}$
4.  $202 + 746 = \underline{948}$
5.  $280 + 216 = \underline{496}$
6.  $357 + 301 = \underline{658}$
7.  $120 + 148 = \underline{268}$
8.  $436 + 403 = \underline{839}$
9.  $514 + 245 = \underline{759}$
10.  $130 + 249 = \underline{379}$

B: Adding 3  
digit numbers  
- carrying

1.  $993 + 947 = \underline{1940}$
2.  $894 + 868 = \underline{1762}$
3.  $728 + 895 = \underline{1623}$
4.  $689 + 628 = \underline{1317}$
5.  $975 + 395 = \underline{1370}$
6.  $876 + 975 = \underline{1851}$
7.  $768 + 873 = \underline{1641}$
8.  $965 + 886 = \underline{1851}$
9.  $497 + 759 = \underline{1256}$
10.  $976 + 654 = \underline{1630}$

C: Subtracting  
3 digit numbers  
- no renaming

1.  $785 - 420 = \underline{365}$
2.  $569 - 361 = \underline{208}$
3.  $837 - 310 = \underline{527}$
4.  $594 - 231 = \underline{363}$
5.  $715 - 103 = \underline{612}$
6.  $879 - 640 = \underline{239}$
7.  $964 - 514 = \underline{450}$
8.  $938 - 306 = \underline{632}$
9.  $768 - 448 = \underline{320}$
10.  $972 - 862 = \underline{110}$

D: Subtracting  
3 digit numbers  
- renaming

1.  $816 - 449 = \underline{367}$
2.  $530 - 286 = \underline{244}$
3.  $652 - 284 = \underline{368}$
4.  $716 - 487 = \underline{229}$
5.  $540 - 387 = \underline{153}$
6.  $624 - 179 = \underline{445}$
7.  $452 - 279 = \underline{173}$
8.  $574 - 385 = \underline{189}$
9.  $931 - 445 = \underline{486}$
10.  $730 - 163 = \underline{567}$

E: Multiplying - mixed

1.  $1 \times 6 = \underline{6}$
2.  $6 \times 7 = \underline{42}$
3.  $8 \times 8 = \underline{64}$
4.  $4 \times 9 = \underline{36}$
5.  $9 \times 2 = \underline{18}$
6.  $2 \times 5 = \underline{10}$
7.  $5 \times 3 = \underline{15}$
8.  $7 \times 4 = \underline{28}$
9.  $10 \times 6 = \underline{60}$
10.  $2 \times 7 = \underline{14}$

11.  $3 \times 8 = \underline{24}$
12.  $7 \times 9 = \underline{63}$
13.  $3 \times 2 = \underline{6}$
14.  $8 \times 5 = \underline{40}$
15.  $9 \times 3 = \underline{27}$
16.  $4 \times 4 = \underline{16}$
17.  $3 \times 6 = \underline{18}$
18.  $10 \times 7 = \underline{70}$
19.  $5 \times 8 = \underline{40}$
20.  $0 \times 9 = \underline{0}$

F: Dividing - mixed

1.  $12 \div 2 = \underline{6}$
2.  $20 \div 5 = \underline{4}$
3.  $18 \div 3 = \underline{6}$
4.  $8 \div 4 = \underline{2}$
5.  $36 \div 6 = \underline{6}$
6.  $7 \div 7 = \underline{1}$
7.  $72 \div 8 = \underline{9}$
8.  $45 \div 9 = \underline{5}$
9.  $2 \div 2 = \underline{1}$
10.  $50 \div 5 = \underline{10}$

11.  $6 \div 3 = \underline{2}$
12.  $24 \div 4 = \underline{6}$
13.  $48 \div 6 = \underline{8}$
14.  $35 \div 7 = \underline{5}$
15.  $56 \div 8 = \underline{7}$
16.  $81 \div 9 = \underline{9}$
17.  $8 \div 2 = \underline{4}$
18.  $30 \div 5 = \underline{6}$
19.  $30 \div 3 = \underline{10}$
20.  $36 \div 4 = \underline{9}$

Section	Summary of Scores
A	____ / 10
B	____ / 10
C	____ / 10
D	____ / 10
E	____ / 20
F	____ / 20
Total:	____ / 80

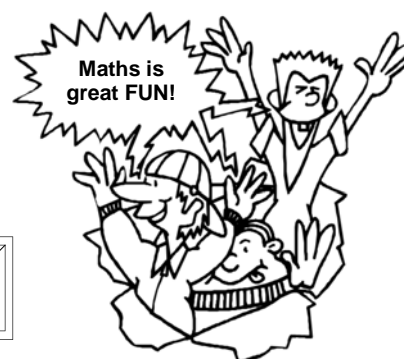
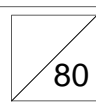


## Marking Schedule (Circle S, A or D)

S = Shows strength (all correct)

A = Achieved (64 to 79 correct)

D = Developing (less than 64 correct)



B1

Name: \_\_\_\_\_ Answers \_\_\_\_\_ Class: \_\_\_\_\_

A: Adding 3  
digit numbers  
- no carrying

1.  $260 + 523 = \underline{783}$

2.  $462 + 401 = \underline{863}$

3.  $623 + 125 = \underline{748}$

4.  $140 + 137 = \underline{277}$

5.  $219 + 370 = \underline{589}$

6.  $411 + 185 = \underline{596}$

7.  $185 + 303 = \underline{488}$

8.  $362 + 320 = \underline{682}$

9.  $704 + 252 = \underline{956}$

10.  $134 + 760 = \underline{894}$

B: Adding 3  
digit numbers  
- carrying

1.  $865 + 769 = \underline{1634}$

2.  $259 + 888 = \underline{1147}$

3.  $685 + 966 = \underline{1651}$

4.  $949 + 764 = \underline{1713}$

5.  $879 + 971 = \underline{1850}$

6.  $587 + 974 = \underline{1561}$

7.  $358 + 956 = \underline{1314}$

8.  $378 + 868 = \underline{1246}$

9.  $579 + 739 = \underline{1318}$

10.  $869 + 492 = \underline{1361}$

C: Subtracting  
3 digit numbers  
- no renaming

1.  $596 - 120 = \underline{476}$

2.  $938 - 630 = \underline{308}$

3.  $974 - 230 = \underline{744}$

4.  $748 - 331 = \underline{417}$

5.  $619 - 217 = \underline{402}$

6.  $745 - 521 = \underline{224}$

7.  $826 - 403 = \underline{423}$

8.  $529 - 419 = \underline{110}$

9.  $367 - 257 = \underline{110}$

10.  $785 - 275 = \underline{510}$

D: Subtracting  
3 digit numbers  
- renaming

1.  $720 - 452 = \underline{268}$

2.  $641 - 473 = \underline{168}$

3.  $962 - 386 = \underline{576}$

4.  $837 - 658 = \underline{179}$

5.  $913 - 667 = \underline{246}$

6.  $725 - 489 = \underline{236}$

7.  $931 - 797 = \underline{134}$

8.  $540 - 265 = \underline{275}$

9.  $812 - 593 = \underline{219}$

10.  $481 - 192 = \underline{289}$

E: Multiplying - mixed

1.  $4 \times 6 = \underline{24}$

2.  $8 \times 7 = \underline{56}$

3.  $10 \times 8 = \underline{80}$

4.  $8 \times 9 = \underline{72}$

5.  $2 \times 2 = \underline{4}$

6.  $5 \times 5 = \underline{25}$

7.  $8 \times 3 = \underline{24}$

8.  $3 \times 4 = \underline{12}$

9.  $7 \times 6 = \underline{42}$

10.  $9 \times 7 = \underline{63}$

11.  $0 \times 8 = \underline{0}$

12.  $10 \times 9 = \underline{90}$

13.  $8 \times 2 = \underline{16}$

14.  $3 \times 5 = \underline{15}$

15.  $7 \times 3 = \underline{21}$

16.  $1 \times 4 = \underline{4}$

17.  $5 \times 6 = \underline{30}$

18.  $3 \times 7 = \underline{21}$

19.  $4 \times 8 = \underline{32}$

20.  $2 \times 9 = \underline{18}$

F: Dividing - mixed

1.  $10 \div 2 = \underline{5}$

2.  $5 \div 5 = \underline{1}$

3.  $9 \div 3 = \underline{3}$

4.  $40 \div 4 = \underline{10}$

5.  $12 \div 6 = \underline{2}$

6.  $49 \div 7 = \underline{7}$

7.  $16 \div 8 = \underline{2}$

8.  $54 \div 9 = \underline{6}$

9.  $14 \div 2 = \underline{7}$

10.  $45 \div 5 = \underline{9}$

11.  $3 \div 3 = \underline{1}$

12.  $32 \div 4 = \underline{8}$

13.  $54 \div 6 = \underline{9}$

14.  $28 \div 7 = \underline{4}$

15.  $48 \div 8 = \underline{6}$

16.  $27 \div 9 = \underline{3}$

17.  $20 \div 2 = \underline{10}$

18.  $35 \div 5 = \underline{7}$

19.  $12 \div 3 = \underline{4}$

20.  $20 \div 4 = \underline{5}$

Section	Summary of Scores
A	____ / 10
B	____ / 10
C	____ / 10
D	____ / 10
E	____ / 20
F	____ / 20
Total:	____ / 80



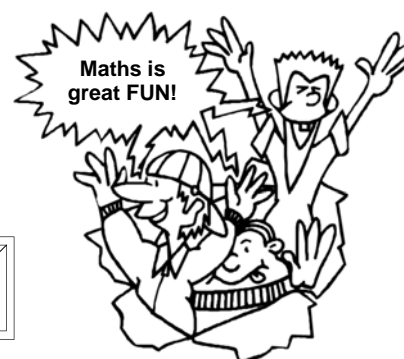
## Marking Schedule (Circle S, A or D)

S = Shows strength (all correct)

A = Achieved (64 to 79 correct)

D = Developing (less than 64 correct)

80



C1

Name: \_\_\_\_\_ Answers \_\_\_\_\_ Class: \_\_\_\_\_

A: Adding 3  
digit numbers  
- no carrying

1.  $310 + 537 = \underline{847}$

2.  $126 + 531 = \underline{657}$

3.  $623 + 205 = \underline{828}$

4.  $647 + 202 = \underline{849}$

5.  $126 + 820 = \underline{946}$

6.  $130 + 735 = \underline{865}$

7.  $481 + 201 = \underline{682}$

8.  $340 + 643 = \underline{983}$

9.  $452 + 145 = \underline{597}$

10.  $492 + 301 = \underline{793}$

B: Adding 3  
digit numbers  
- carrying

1.  $479 + 939 = \underline{1418}$

2.  $688 + 948 = \underline{1636}$

3.  $598 + 827 = \underline{1425}$

4.  $286 + 896 = \underline{1182}$

5.  $596 + 579 = \underline{1175}$

6.  $759 + 768 = \underline{1527}$

7.  $378 + 867 = \underline{1245}$

8.  $688 + 569 = \underline{1257}$

9.  $597 + 974 = \underline{1571}$

10.  $546 + 769 = \underline{1315}$

C: Subtracting  
3 digit numbers  
- no renaming

1.  $758 - 402 = \underline{356}$

2.  $956 - 136 = \underline{820}$

3.  $378 - 103 = \underline{275}$

4.  $495 - 132 = \underline{363}$

5.  $571 - 310 = \underline{261}$

6.  $798 - 406 = \underline{392}$

7.  $649 - 145 = \underline{504}$

8.  $839 - 603 = \underline{236}$

9.  $687 - 484 = \underline{203}$

10.  $729 - 628 = \underline{101}$

D: Subtracting  
3 digit numbers  
- renaming

1.  $761 - 594 = \underline{167}$

2.  $503 - 168 = \underline{335}$

3.  $625 - 348 = \underline{277}$

4.  $961 - 578 = \underline{383}$

5.  $604 - 278 = \underline{326}$

6.  $542 - 397 = \underline{145}$

7.  $725 - 397 = \underline{328}$

8.  $547 - 358 = \underline{189}$

9.  $913 - 454 = \underline{459}$

10.  $703 - 236 = \underline{467}$

E: Multiplying - mixed

1.  $6 \times 2 = \underline{12}$

2.  $4 \times 5 = \underline{20}$

3.  $6 \times 3 = \underline{18}$

4.  $2 \times 4 = \underline{8}$

5.  $6 \times 6 = \underline{36}$

6.  $0 \times 7 = \underline{0}$

7.  $9 \times 8 = \underline{72}$

8.  $5 \times 9 = \underline{45}$

9.  $1 \times 2 = \underline{2}$

10.  $10 \times 5 = \underline{50}$

11.  $2 \times 3 = \underline{6}$

12.  $6 \times 4 = \underline{24}$

13.  $8 \times 6 = \underline{48}$

14.  $5 \times 7 = \underline{35}$

15.  $7 \times 8 = \underline{56}$

16.  $9 \times 9 = \underline{81}$

17.  $4 \times 2 = \underline{8}$

18.  $6 \times 5 = \underline{30}$

19.  $10 \times 3 = \underline{30}$

20.  $9 \times 4 = \underline{36}$

F: Dividing - mixed

1.  $6 \div 6 = \underline{1}$

2.  $42 \div 7 = \underline{6}$

3.  $64 \div 8 = \underline{8}$

4.  $36 \div 9 = \underline{4}$

5.  $18 \div 2 = \underline{9}$

6.  $10 \div 5 = \underline{2}$

7.  $15 \div 3 = \underline{5}$

8.  $28 \div 4 = \underline{7}$

9.  $60 \div 6 = \underline{10}$

10.  $14 \div 7 = \underline{2}$

11.  $24 \div 8 = \underline{3}$

12.  $63 \div 9 = \underline{7}$

13.  $6 \div 2 = \underline{3}$

14.  $40 \div 5 = \underline{8}$

15.  $27 \div 3 = \underline{9}$

16.  $16 \div 4 = \underline{4}$

17.  $18 \div 6 = \underline{3}$

18.  $70 \div 7 = \underline{10}$

19.  $40 \div 8 = \underline{5}$

20.  $9 \div 9 = \underline{1}$

Section	Summary of Scores
A	____ / 10
B	____ / 10
C	____ / 10
D	____ / 10
E	____ / 20
F	____ / 20
Total:	____ / 80

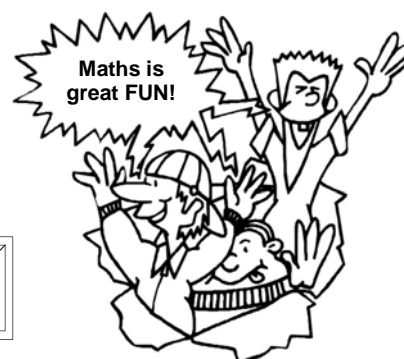
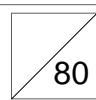


## Marking Schedule (Circle S, A or D)

S = Shows strength (all correct)

A = Achieved (64 to 79 correct)

D = Developing (less than 64 correct)



D1

Name: \_\_\_\_\_ Answers \_\_\_\_\_ Class: \_\_\_\_\_

A: Adding 3  
digit numbers  
- no carrying

1.  $235 + 602 = \underline{837}$

2.  $140 + 246 = \underline{386}$

3.  $521 + 326 = \underline{847}$

4.  $371 + 401 = \underline{772}$

5.  $192 + 703 = \underline{895}$

6.  $141 + 815 = \underline{956}$

7.  $581 + 303 = \underline{884}$

8.  $623 + 203 = \underline{826}$

9.  $470 + 225 = \underline{695}$

10.  $341 + 607 = \underline{948}$

B: Adding 3  
digit numbers  
- carrying

1.  $568 + 967 = \underline{1535}$

2.  $888 + 592 = \underline{1480}$

3.  $669 + 856 = \underline{1525}$

4.  $647 + 499 = \underline{1146}$

5.  $179 + 978 = \underline{1157}$

6.  $479 + 785 = \underline{1264}$

7.  $659 + 853 = \underline{1512}$

8.  $688 + 783 = \underline{1471}$

9.  $397 + 795 = \underline{1192}$

10.  $294 + 968 = \underline{1262}$

C: Subtracting  
3 digit numbers  
- no renaming

1.  $965 - 201 = \underline{764}$

2.  $589 - 106 = \underline{483}$

3.  $749 - 302 = \underline{447}$

4.  $847 - 133 = \underline{714}$

5.  $916 - 712 = \underline{204}$

6.  $437 - 235 = \underline{202}$

7.  $862 - 430 = \underline{432}$

8.  $295 - 194 = \underline{101}$

9.  $673 - 572 = \underline{101}$

10.  $857 - 752 = \underline{105}$

D: Subtracting  
3 digit numbers  
- renaming

1.  $702 - 425 = \underline{277}$

2.  $614 - 437 = \underline{177}$

3.  $926 - 368 = \underline{558}$

4.  $873 - 685 = \underline{188}$

5.  $931 - 676 = \underline{255}$

6.  $752 - 498 = \underline{254}$

7.  $913 - 779 = \underline{134}$

8.  $504 - 256 = \underline{248}$

9.  $821 - 593 = \underline{228}$

10.  $418 - 129 = \underline{289}$

E: Multiplying - mixed

1.  $5 \times 2 = \underline{10}$

2.  $1 \times 5 = \underline{5}$

3.  $3 \times 3 = \underline{9}$

4.  $10 \times 4 = \underline{40}$

5.  $2 \times 6 = \underline{12}$

6.  $7 \times 7 = \underline{49}$

7.  $2 \times 8 = \underline{16}$

8.  $6 \times 9 = \underline{54}$

9.  $7 \times 2 = \underline{14}$

10.  $9 \times 5 = \underline{45}$

11.  $1 \times 3 = \underline{3}$

12.  $8 \times 4 = \underline{32}$

13.  $9 \times 6 = \underline{54}$

14.  $4 \times 7 = \underline{28}$

15.  $6 \times 8 = \underline{48}$

16.  $3 \times 9 = \underline{27}$

17.  $10 \times 2 = \underline{20}$

18.  $7 \times 5 = \underline{35}$

19.  $4 \times 3 = \underline{12}$

20.  $5 \times 4 = \underline{20}$

F: Dividing - mixed

1.  $24 \div 6 = \underline{4}$

2.  $56 \div 7 = \underline{8}$

3.  $80 \div 8 = \underline{10}$

4.  $72 \div 9 = \underline{8}$

5.  $4 \div 2 = \underline{2}$

6.  $25 \div 5 = \underline{5}$

7.  $24 \div 3 = \underline{8}$

8.  $12 \div 4 = \underline{3}$

9.  $42 \div 6 = \underline{7}$

10.  $63 \div 7 = \underline{9}$

11.  $8 \div 8 = \underline{1}$

12.  $90 \div 9 = \underline{10}$

13.  $16 \div 2 = \underline{8}$

14.  $15 \div 5 = \underline{3}$

15.  $21 \div 3 = \underline{7}$

16.  $4 \div 4 = \underline{1}$

17.  $30 \div 6 = \underline{5}$

18.  $21 \div 7 = \underline{3}$

19.  $32 \div 8 = \underline{4}$

20.  $18 \div 9 = \underline{2}$

Section	Summary of Scores
A	____ / 10
B	____ / 10
C	____ / 10
D	____ / 10
E	____ / 20
F	____ / 20
Total:	____ / 80



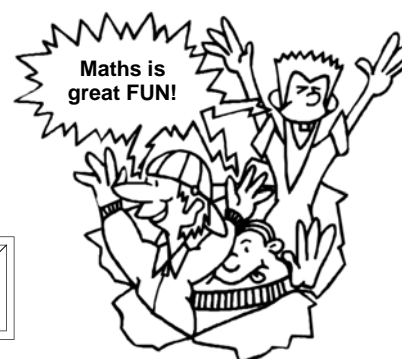
## Marking Schedule (Circle S, A or D)

S = Shows strength (all correct)

A = Achieved (64 to 79 correct)

D = Developing (less than 64 correct)

80



**A2**

Name: \_\_\_\_\_ Answers \_\_\_\_\_ Class: \_\_\_\_\_

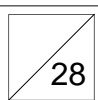
L4N2

- Write these number words as **decimal numbers**.  
 fifteen point seven six two      15.762  
 nine point three eight six      9.386
- Write these decimal numbers as **number words**.  
 0.945      zero point nine four five  
 82.673      eighty-two point six seven three
- Write these decimals in order of **smallest to largest**.  
 1.43, 1.45, 1.48, 1.46, 1.47, 1.49, 1.44, 1.40  
1.40, 1.43, 1.44, 1.45, 1.46, 1.47, 1.48, 1.49
- Prime numbers, multiples & factors  
 List the **prime numbers** between 0 and 15.      3, 5, 7, 11, 13  
 List the first 5 **multiples** of 8.      8, 16, 24, 32, 40  
 List the **factors** of 15.      1, 3, 5, 15
- Calculate the **squares** of these numbers.  
 $9^2$       81       $15^2$       225       $8^2$       64
- Calculate the **square roots** of these numbers.  
 $\sqrt{49}$       7       $\sqrt{121}$       11       $\sqrt{81}$       9
- Adding and subtracting** decimals.  
 $3.89 + 4.59 =$  8.48       $9.52 - 5.19 =$  4.33  
 $68.98 + 49.87 =$  118.85       $39.87 - 14.99 =$  24.88
- Multiplying and dividing** decimals.  

$\begin{array}{r} 34.16 \\ \times 5.3 \\ \hline 10248 \\ 170800 \\ \hline 181.048 \end{array}$	$\begin{array}{r} 875.2 \\ \times 0.42 \\ \hline 17504 \\ 350080 \\ \hline 367.584 \end{array}$	$\begin{array}{r} 52.4 \\ 0.6 \overline{) 31.44} \\ \underline{31.44} \\ 0 \\ \hline 49.3 \end{array}$
--	---	--
- Multiplying and dividing** by 10, 100 or 1000.  
 $7.21 \times 100 =$  721       $17.4 \div 100 =$  0.174  
 $93.6 \times 10 =$  936       $5.18 \div 10 =$  0.518
- Multiplying and dividing** by powers of 10.  
 $6.2 \times 10^2 =$  620       $8.9 \div 10^2 =$  0.089

Marking Schedule (Circle S, A or D)

- S = Shows strength (All 28 correct)
- A = Achieved (22 to 27 correct)
- D = Developing (less than 22 correct)



**A3**

Name: \_\_\_\_\_ Answers \_\_\_\_\_ Class: \_\_\_\_\_

L4N2

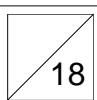
- How much would 7 C.D.'s at \$14.55 each cost?      \$101.85
- How much would 3 kilograms of meat at \$14.25 per kilogram cost?      \$42.75
- If 8 exercise books cost \$7.60, what is the cost of one exercise book?      \$0.95
- Add up** Jan's shopping list / work out her change.  

\$21.95		
\$19.60	If Jan paid for her	
\$15.65	purchases with five	
\$28.60	\$20.00 notes, how	\$100.00
+ \$9.85	much change would	- \$95.65
<u>\$95.65</u>	she get back?	<u>\$4.35</u>
- Shade** in  $\frac{3}{4}$  of this group of shapes.
- What **fraction** of each group of shapes is shaded? (Simplify your answer)  

	$\frac{2}{5}$		$\frac{3}{4}$
	$\frac{1}{3}$		$\frac{1}{2}$
- Find** each fraction of these whole numbers.  
 $\frac{1}{2}$  of \$49 = \$24.50       $\frac{1}{3}$  of \$51 = \$17
- Find** each fraction of these decimal numbers.  
 $\frac{1}{5}$  of \$29.50 = \$5.90       $\frac{1}{4}$  of \$24.80 = \$6.20
- If \$36 is shared between four people, how much does each person get?      \$9
- If \$63.70 is shared between seven people, how much does each person get?      \$9.10
- Read** each statement and **write** the information as a **fraction**. *Example:* 3 out of 4 is written as  $\frac{3}{4}$   
 Abbey scored 19 out of 25 in a test.       $\frac{19}{25}$   
 It rained 15 days out of 30 days.       $\frac{15}{30}$

Marking Schedule (Circle S, A or D)

- S = Shows strength (All 18 correct)
- A = Achieved (14 to 17 correct)
- D = Developing (less than 14 correct)





**A4**

Name: \_\_\_\_\_ Answers \_\_\_\_\_ Class: \_\_\_\_\_ L4N2

- Round these numbers to the nearest 10.  
422 420    747 750    955 960
- Round these numbers to the nearest 100.  
750 800    243 200    478 500
- Round these numbers to the nearest 1000.  
6802 7000    3150 3000    8500 9000
- Round these numbers to the nearest 10, 100 or 1000, before working out an estimated answer.  
 $995 + 218 = 1213$      $1000 + 200 = 1200$   
 $4125 - 589 = 3536$      $4100 - 600 = 3500$   
 $2047 \times 21 = 42987$      $2000 \times 20 = 40000$   
 $5985 \div 6 = 997.5$      $6000 \div 6 = 1000$

5. Order of operations.

**BEDMAS**

$$9 \times 8 + 36 = 108 \quad 65 \div 5 - 8 = 5$$

$$61 - 7 \times 6 = 19 \quad 84 - 72 \div 8 = 75$$

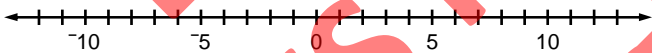
6. Calculate the new temperature.

Starting temperature  $4^{\circ}\text{C}$ , drops  $9^{\circ}\text{C}$ .     $-5^{\circ}\text{C}$

Starting temperature  $-5^{\circ}\text{C}$ , rises  $7^{\circ}\text{C}$ .     $2^{\circ}\text{C}$

Starting temperature  $-4^{\circ}\text{C}$ , drops  $5^{\circ}\text{C}$ .     $-9^{\circ}\text{C}$

7. Add these positive and negative numbers



$$-3 + 6 = 3 \quad 5 + -5 = 0$$

$$4 + -10 = -6 \quad -8 + -3 = -11$$

8. What is the place value of the BOLD digit in each number and what does it mean?

Example: place value =  $\frac{1}{10}$ 's,  $\frac{1}{100}$ 's, 1's, 10's or 100's

Place value	Number	Place value	Number
$\frac{1}{100}$ 's	<b>3</b>	1's	<b>2</b>
10's	<b>70</b>	$\frac{1}{10}$ 's	<b>5</b>

Marking Schedule (Circle S, A or D)

- S = Shows strength (All 32 correct)
- A = Achieved (26 to 31 correct)
- D = Developing (less than 26 correct)



**A5**

Name: \_\_\_\_\_ Answers \_\_\_\_\_ Class: \_\_\_\_\_ L4N2

1. Complete each calculation to create equivalent fractions. Example:  $\frac{1}{2} \times \frac{8}{8} = \frac{8}{16}$

$$\frac{1}{4} \times \frac{7}{7} = \frac{7}{28} \quad \frac{1}{3} \times \frac{4}{4} = \frac{4}{12}$$

$$\frac{2}{3} \times \frac{3}{3} = \frac{6}{9} \quad \frac{3}{4} \times \frac{6}{6} = \frac{18}{24}$$

$$\frac{3}{5} \times \frac{9}{9} = \frac{27}{45} \quad \frac{7}{10} \times \frac{10}{10} = \frac{70}{100}$$

2. Match these equivalent fractions.

Example:  $\frac{1}{2} = \frac{8}{16}$

$$\frac{3}{12} = \frac{1}{4} \quad \frac{1}{5} = \frac{4}{20}$$

$$\frac{2}{3} = \frac{8}{12} \quad \frac{9}{12} = \frac{3}{4}$$

$$\frac{4}{10} = \frac{2}{5} \quad \frac{5}{6} = \frac{10}{12}$$

Answers:

$\frac{3}{4}$	$\frac{1}{4}$
$\frac{4}{20}$	$\frac{8}{12}$
$\frac{10}{12}$	$\frac{2}{5}$

3. Convert these fractions to decimals.

Example:  $\frac{1}{2} = 0.5$

$$\frac{1}{4} = 0.25 \quad \frac{1}{2} = 0.5$$

$$\frac{1}{3} = 0.33 \quad \frac{7}{10} = 0.7$$

$$\frac{3}{4} = 0.75 \quad \frac{3}{5} = 0.6$$

4. Convert these decimals to fractions.

Example:  $0.5 = \frac{1}{2}$

$$0.1 = \frac{1}{10} \quad 0.5 = \frac{1}{2}$$

$$0.66 = \frac{2}{3} \quad 0.33 = \frac{1}{3}$$

$$0.25 = \frac{1}{4} \quad 0.75 = \frac{3}{4}$$

5. Convert these percentages to decimals.

Example:  $50\% = 0.5$

$$25\% = 0.25 \quad 60\% = 0.6$$

$$50\% = 0.5 \quad 75\% = 0.75$$

$$33\frac{1}{3}\% = 0.33 \quad 85\% = 0.85$$

6. Convert these decimals to percentages.

Example:  $0.5 = 50\%$

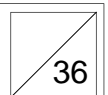
$$0.5 = 50\% \quad 0.6 = 60\%$$

$$0.85 = 85\% \quad 0.33 = 33\frac{1}{3}\%$$

$$0.25 = 25\% \quad 0.75 = 75\%$$

Marking Schedule (Circle S, A or D)

- S = Shows strength (All 36 correct)
- A = Achieved (29 to 35 correct)
- D = Developing (less than 29 correct)



**B2**

Name: \_\_\_\_\_ Answers \_\_\_\_\_ Class: \_\_\_\_\_

L4N2

- Write these number words as **decimal numbers**.  
 zero point five nine eight                      0.598  
 seventy-two point four two one                72.421
- Write these decimal numbers as **number words**  
 34.675            thirty-four point six seven five  
 5.039             five point zero three nine
- Write these decimals in order of **smallest to largest**.  
 4.30, 4.33, 4.35, 4.37, 4.39, 4.34, 4.38, 4.36  
4.30, 4.33, 4.34, 4.35, 4.36, 4.37, 4.38, 4.39
- Prime numbers, multiples & factors  
 List the **prime numbers** between 10 and 25.                      11, 13, 17, 19, 23  
 List the first 5 **multiples** of 6.    6, 12, 18, 24, 30  
 List the **factors** of 28.                      1, 2, 4, 7, 14, 28
- Calculate the **squares** of these numbers.  
 $9^2$     81                       $11^2$     121                       $7^2$     49
- Calculate the **square roots** of these numbers.  
 $\sqrt{100}$     10                       $\sqrt{36}$     6                       $\sqrt{144}$     12
- Adding and subtracting** decimals.  
 $2.69 + 8.87 =$  11.56                       $9.35 - 7.53 =$  1.82  
 $95.97 + 49.38 =$  145.35                       $59.16 - 34.58 =$  24.58
- Multiplying and dividing** decimals.  

$49.35$	$120.8$	$54.8$
$\times 4.5$	$\times 0.23$	$0.7$
<u>24675</u>	<u>3624</u>	<u>38.36</u>
<u>197400</u>	<u>24160</u>	<u>62.7</u>
<u>222.075</u>	<u>27.784</u>	<u>5.643</u>
- Multiplying and dividing** by 10, 100 or 1000.  
 $8.27 \times 100 =$  827                       $56.1 \div 100 =$  0.561  
 $34.1 \times 10 =$  341                       $2.09 \div 10 =$  0.209
- Multiplying and dividing** by powers of 10.  
 $7.8 \times 10^2 =$  780                       $6.5 \div 10^2 =$  0.065

<p style="text-align: center; margin: 0;"><b>Marking Schedule (Circle S, A or D)</b></p> <p style="margin: 0;">S = Shows strength (All 28 correct)</p> <p style="margin: 0;">A = Achieved (22 to 27 correct)</p> <p style="margin: 0;">D = Developing (less than 22 correct)</p>	
--	--

**B3**

Name: \_\_\_\_\_ Answers \_\_\_\_\_ Class: \_\_\_\_\_

L4N2

- How much would 7 C.D.'s at \$19.45 each cost?                      \$136.15
- How much would 3 kilograms of meat at \$15.25 per kilogram cost?                      \$45.75
- If 8 exercise books cost \$8.40, what is the cost of one exercise book?                      \$1.05
- Add up Jan's shopping list / work out her change.**  

$\$24.70$	
$\$31.65$	If Jan paid for her purchases with five \$20.00 notes, how much change would she get back?
$\$7.85$	
$\$22.55$	
$+ \$7.80$	
<u>\$94.55</u>	<u>\$100.00</u>
	<u>-\$94.55</u>
	<u>\$5.45</u>
- Shade in  $\frac{2}{3}$  of this group of shapes.**
- What **fraction** of each group of shapes is shaded? (Simplify your answer)  

$\frac{1}{2}$	$\frac{1}{3}$
$\frac{3}{4}$	$\frac{1}{5}$
- Find each fraction of these whole numbers.**  
 $\frac{1}{4}$  of \$72 = \$18                       $\frac{1}{2}$  of \$47 = \$23.50
- Find each fraction of these decimal numbers.**  
 $\frac{1}{3}$  of \$24.96 = \$8.32                       $\frac{1}{5}$  of \$39.50 = \$7.90
- If \$64 is shared between eight people, how much does each person get?                      \$8
- If \$83.50 is shared between five people, how much does each person get?                      \$16.70
- Read each statement and write the information as a fraction.** *Example: 3 out of 4 is written as  $\frac{3}{4}$*   
 Abbey scored 18 out of 25 in a test.                       $\frac{18}{25}$   
 It rained 12 days out of 30 days.                       $\frac{12}{30}$

<p style="text-align: center; margin: 0;"><b>Marking Schedule (Circle S, A or D)</b></p> <p style="margin: 0;">S = Shows strength (All 18 correct)</p> <p style="margin: 0;">A = Achieved (14 to 17 correct)</p> <p style="margin: 0;">D = Developing (less than 14 correct)</p>	
--	--

**B4**

Name: \_\_\_\_\_ Answers \_\_\_\_\_ Class: \_\_\_\_\_ L4N2

- Round these numbers to the nearest 10.  

863	<u>860</u>	275	<u>280</u>	491	<u>490</u>
-----	------------	-----	------------	-----	------------
- Round these numbers to the nearest 100.  

639	<u>600</u>	787	<u>800</u>	450	<u>500</u>
-----	------------	-----	------------	-----	------------
- Round these numbers to the nearest 1000.  

1952	<u>2000</u>	3500	<u>4000</u>	8369	<u>8000</u>
------	-------------	------	-------------	------	-------------
- Round these numbers to the nearest 10, 100 or 1000, before working out an estimated answer.  

395 + 743	400 + 740	=	<b>1140</b>
9134 - 879	9000 - 900	=	<b>8100</b>
8014 × 18	8000 × 20	=	<b>160000</b>
7053 ÷ 7	7000 ÷ 7	=	<b>1000</b>

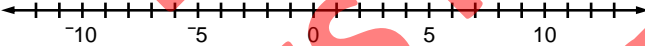
**BEDMAS**

- Order of operations.  

9 × 7 + 52 =	<b>115</b>	75 ÷ 5 - 11 =	<b>4</b>
83 - 8 × 8 =	<b>19</b>	64 - 49 ÷ 7 =	<b>57</b>

- Calculate the new temperature.  

Starting temperature 5°C, drops 8°C.	<u>-3°C</u>
Starting temperature -4°C, rises 9°C.	<u>5°C</u>
Starting temperature -3°C, drops 6°C.	<u>-9°C</u>

- Add these positive and negative numbers  


-2 + 11 =	<b>9</b>	3 + -9 =	<b>-6</b>
6 + -8 =	<b>-2</b>	-6 + -5 =	<b>-11</b>

- What is the place value of the BOLD digit in each number and what does it mean?  
*Example: place value = 1/10's, 1/100's, 1's, 10's or 100's*

59.74	<b>1's</b>	<b>9</b>	46.75	<b>1/100's</b>	<b>5/100</b>
83.60	<b>1/10's</b>	<b>6/10</b>	37.09	<b>10's</b>	<b>30</b>

**Marking Schedule (Circle S, A or D)**

S = Shows strength (All 32 correct)  
 A = Achieved (26 to 31 correct)  
 D = Developing (less than 26 correct)


32

**B5**

Name: \_\_\_\_\_ Answers \_\_\_\_\_ Class: \_\_\_\_\_ L4N2

- Complete each calculation to create equivalent fractions. *Example: 1/2 × 8/8 = 8/16*  

1/6 × 4/4 =	<u>4/24</u>	1/4 × 5/5 =	<u>5/20</u>
3/4 × 9/9 =	<u>27/36</u>	9/10 × 8/8 =	<u>72/80</u>
4/5 × 7/7 =	<u>28/35</u>	1/3 × 10/10 =	<u>10/30</u>

- Match these equivalent fractions.   
*Example: 1/2 = 8/16*  

1/3 =	<u>4/12</u>	12/20 =	<u>3/5</u>
2/12 =	<u>1/6</u>	3/4 =	<u>9/12</u>
4/5 =	<u>8/10</u>	8/12 =	<u>2/3</u>

Answers:

4/12    2/3

8/10    3/5

9/12    1/6

- Convert these fractions to decimals.  
*Example: 1/2 = 0.5*  

1/2 =	<b>0.5</b>	4/5 =	<b>0.8</b>
3/10 =	<b>0.3</b>	1/4 =	<b>0.25</b>
3/4 =	<b>0.75</b>	2/3 =	<b>0.66</b>

- Convert these decimals to fractions.  
*Example: 0.5 = 1/2*  

0.25 =	<u>1/4</u>	0.8 =	<u>4/5</u>
0.3 =	<u>3/10</u>	0.75 =	<u>3/4</u>
0.66 =	<u>2/3</u>	0.5 =	<u>1/2</u>

- Convert these percentages to decimals.  
*Example: 50% = 0.5*  

5% =	<u>0.05</u>	30% =	<u>0.3</u>
50% =	<u>0.5</u>	80% =	<u>0.8</u>
75% =	<u>0.75</u>	66 2/3% =	<u>0.66</u>

- Convert these decimals to percentages.  
*Example: 0.5 = 50%*  

0.8 =	<u>80%</u>	0.75 =	<u>75%</u>
0.66 =	<u>66 2/3%</u>	0.05 =	<u>5%</u>
0.5 =	<u>50%</u>	0.3 =	<u>30%</u>

**Marking Schedule (Circle S, A or D)**

S = Shows strength (All 36 correct)  
 A = Achieved (29 to 35 correct)  
 D = Developing (less than 29 correct)

36

**C2** Name: \_\_\_\_\_ Answers \_\_\_\_\_ Class: \_\_\_\_\_ L4N2

1. Write these number words as decimal numbers.  
 thirty-four point five seven six 34.576  
 three point zero nine five 3.095

2. Write these decimal numbers as number words  
 1.905 one point nine zero five  
 43.768 forty-three point seven six eight

3. Write these decimals in order of smallest to largest.  
 9.27, 9.29, 9.24, 9.28, 9.26, 9.20, 9.23, 9.25  
9.20, 9.23, 9.24, 9.25, 9.26, 9.27, 9.28, 9.29

4. Prime numbers, multiples & factors  
 List the prime numbers between 0 and 15. 2, 5, 3, 7, 11, 13  
 List the first 5 multiples of 9. 9, 18, 27, 36, 45  
 List the factors of 21. 1, 3, 7, 21

5. Calculate the squares of these numbers.  
 $12^2$  144       $6^2$  36       $10^2$  100

6. Calculate the square roots of these numbers.  
 $\sqrt{225}$  15       $\sqrt{81}$  9       $\sqrt{121}$  11

7. Adding and subtracting decimals.  
 $3.98 + 5.94 =$  9.92       $9.41 - 3.38 =$  6.03  
 $27.94 + 96.78 =$  124.72       $58.74 - 22.97 =$  35.77

8. Multiplying and dividing decimals.  

$$\begin{array}{r} 16.43 \\ \times 5.2 \\ \hline 3286 \\ 82150 \\ \hline 85.436 \end{array}$$

$$\begin{array}{r} 257.8 \\ \times 0.34 \\ \hline 10312 \\ 77340 \\ \hline 87.652 \end{array}$$

$$\begin{array}{r} 0.6 \overline{) 38.10} \\ \underline{36} \phantom{0} \\ 210 \\ \underline{180} \phantom{0} \\ 300 \\ \underline{300} \\ 0 \end{array}$$

$$\begin{array}{r} 0.09 \overline{) 4.455} \\ \underline{0.81} \phantom{00} \\ 3655 \\ \underline{3645} \\ 105 \\ \underline{105} \\ 0 \end{array}$$


9. Multiplying and dividing by 10, 100 or 1000.  
 $2.19 \times 100 =$  219       $37.5 \div 100 =$  0.375  
 $94.6 \times 10 =$  946       $6.08 \div 10 =$  0.608

10. Multiplying and dividing by powers of 10.  
 $2.6 \times 10^2 =$  260       $7.4 \div 10^2 =$  0.074

Marking Schedule (Circle S, A or D)  
 S = Shows strength (All 28 correct)  
 A = Achieved (22 to 27 correct)  
 D = Developing (less than 22 correct)

28
----

**C3** Name: \_\_\_\_\_ Answers \_\_\_\_\_ Class: \_\_\_\_\_ L4N2


1. How much would 7 C.D.'s at \$17.95 each cost? \$125.65 

2. How much would 3 kilograms of meat at \$11.45 per kilogram cost? \$34.35




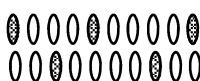
3. If 8 exercise books cost \$10.00, what is the cost of one exercise book? \$1.25

4. Add up Jan's shopping list / work out her change.  

$\$12.95$	
$\$27.50$	If Jan paid for her purchases with five \$20.00 notes, how much change would she get back?
$\$16.90$	
$\$33.65$	
$+ \$5.95$	
$\$96.95$	<u>\$100.00</u>
	<u>-\$96.95</u>
	<u>\$3.05</u>



5. Shade in  $\frac{3}{4}$  of this group of shapes.  


6. What fraction of each group of shapes is shaded? (Simplify your answer)  
  $\frac{1}{2}$         $\frac{2}{5}$   
  $\frac{3}{4}$         $\frac{1}{4}$

7. Find each fraction of these whole numbers.  
 $\frac{1}{5}$  of \$85 = \$17       $\frac{1}{4}$  of \$84 = \$21

8. Find each fraction of these decimal numbers.  
 $\frac{1}{2}$  of \$31.50 = \$15.75       $\frac{1}{3}$  of \$45.60 = \$15.20

9. If \$48 is shared between six people, how much does each person get? \$8

10. If \$56.70 is shared between nine people, how much does each person get? \$6.30

11. Read each statement and write the information as a fraction. Example: 3 out of 4 is written as  $\frac{3}{4}$   
 Abbey scored 21 out of 50 in a test.  $\frac{21}{50}$   
 It rained 24 days out of 30 days.  $\frac{24}{30}$

Marking Schedule (Circle S, A or D)  
 S = Shows strength (All 18 correct)  
 A = Achieved (14 to 17 correct)  
 D = Developing (less than 14 correct)

18
----

C4

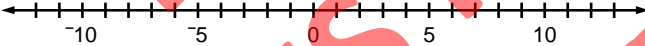
Name: \_\_\_\_\_ Answers \_\_\_\_\_ Class: \_\_\_\_\_ L4N2

- Round these numbers to the nearest 10.  
831 830    568 570    375 380
- Round these numbers to the nearest 100.  
669 700    750 800    438 400
- Round these numbers to the nearest 1000.  
5500 6000    1858 2000    8207 8000
- Round these numbers to the nearest 10, 100 or 1000, before working out an estimated answer.  
 $862 + 133 = 995$      $860 + 130 = 990$   
 $9037 - 849 = 8188$      $9000 - 800 = 8200$   
 $3832 \times 22 = 84304$      $4000 \times 20 = 80000$   
 $7953 \div 8 = 989.125$      $8000 \div 8 = 1000$

**BEDMAS**

- Order of operations.  
 $6 \times 7 + 57 = 99$      $90 \div 5 - 12 = 6$   
 $102 - 8 \times 9 = 30$      $73 - 63 \div 7 = 64$

- Calculate the new temperature.  
 Starting temperature  $5^{\circ}\text{C}$ , drops  $10^{\circ}\text{C}$ .     $-5^{\circ}\text{C}$   
 Starting temperature  $-5^{\circ}\text{C}$ , rises  $9^{\circ}\text{C}$ .     $4^{\circ}\text{C}$   
 Starting temperature  $-3^{\circ}\text{C}$ , drops  $9^{\circ}\text{C}$ .     $-12^{\circ}\text{C}$

- Add these positive and negative numbers  
  
 $-4 + 9 = 5$      $6 + -11 = -5$   
 $5 + -7 = -2$      $-7 + -4 = -11$

- What is the place value of the BOLD digit in each number and what does it mean?  
 Example: place value =  $\frac{1}{10}$ 's,  $\frac{1}{100}$ 's, 1's, 10's or 100's  

Place value	Number	Place value	Number
$\frac{1}{100}$ 's	<b>7</b> / <sub>100</sub>	1's	<b>8</b>
10's	<b>80</b>	$\frac{1}{10}$ 's	<b>5</b> / <sub>10</sub>

Marking Schedule (Circle S, A or D)

- S = Shows strength (All 32 correct)
- A = Achieved (26 to 31 correct)
- D = Developing (less than 26 correct)

32

C5

Name: \_\_\_\_\_ Answers \_\_\_\_\_ Class: \_\_\_\_\_ L4N2

- Complete each calculation to create equivalent fractions. Example:  $\frac{1}{2} \times \frac{8}{8} = \frac{8}{16}$   
 $\frac{1}{5} \times \frac{5}{5} = \frac{5}{25}$      $\frac{1}{2} \times \frac{3}{3} = \frac{3}{6}$   
 $\frac{4}{5} \times \frac{8}{8} = \frac{32}{40}$      $\frac{2}{3} \times \frac{9}{9} = \frac{18}{27}$   
 $\frac{3}{4} \times \frac{6}{6} = \frac{18}{24}$      $\frac{9}{10} \times \frac{10}{10} = \frac{90}{100}$

- Match these equivalent fractions.

Example:  $\frac{1}{2} = \frac{8}{16}$

$\frac{1}{2} = \frac{10}{20}$	$\frac{8}{10} = \frac{4}{5}$	Answers: $\frac{3}{4}$ $\frac{1}{4}$ $\frac{10}{20}$ $\frac{4}{12}$ $\frac{15}{18}$ $\frac{4}{5}$
$\frac{9}{12} = \frac{3}{4}$	$\frac{1}{3} = \frac{4}{12}$	
$\frac{5}{6} = \frac{15}{18}$	$\frac{4}{16} = \frac{1}{4}$	



- Convert these fractions to decimals.

Example:  $\frac{1}{2} = 0.5$

$\frac{1}{4} = 0.25$	$\frac{1}{2} = 0.5$
$\frac{7}{10} = 0.7$	$\frac{3}{5} = 0.6$
$\frac{3}{4} = 0.75$	$\frac{2}{3} = 0.66$

- Convert these decimals to fractions.

Example:  $0.5 = \frac{1}{2}$

$0.75 = \frac{3}{4}$	$0.25 = \frac{1}{4}$
$0.66 = \frac{2}{3}$	$0.5 = \frac{1}{2}$
$0.6 = \frac{3}{5}$	$0.7 = \frac{7}{10}$

- Convert these percentages to decimals.

Example:  $50\% = 0.5$

$75\% = 0.75$	$60\% = 0.6$
$40\% = 0.4$	$33\frac{1}{3}\% = 0.33$
$25\% = 0.25$	$50\% = 0.5$

- Convert these decimals to percentages.

Example:  $0.5 = 50\%$

$0.6 = 60\%$	$0.25 = 25\%$
$0.33 = 33\frac{1}{3}\%$	$0.4 = 40\%$
$0.75 = 75\%$	$0.5 = 50\%$

Marking Schedule (Circle S, A or D)

- S = Shows strength (All 36 correct)
- A = Achieved (29 to 35 correct)
- D = Developing (less than 29 correct)

36



**D2**

Name: \_\_\_\_\_ Answers \_\_\_\_\_ Class: \_\_\_\_\_ L4N2

1. Write these number words as decimal numbers.  
 nine point one zero five 9.105  
 sixty-seven point three eight four 67.384

2. Write these decimal numbers as number words  
 15.672 fifteen point six seven two  
 3.689 three point six eight nine

3. Write these decimals in order of smallest to largest.  
 6.15, 6.17, 6.19, 6.18, 6.16, 6.14, 6.10, 6.13  
6.10, 6.13, 6.14, 6.15, 6.16, 6.17, 6.18, 6.19

4. Prime numbers, multiples & factors  
 List the prime numbers between 20 and 35. 23, 29, 31  
 List the first 5 multiples of 7. 7, 14, 21, 28, 35  
 List the factors of 24. 1, 2, 3, 4, 6, 8, 12, 24

5. Calculate the squares of these numbers.  
 $11^2$  121       $9^2$  81       $15^2$  225

6. Calculate the square roots of these numbers.  
 $\sqrt{64}$  8       $\sqrt{144}$  12       $\sqrt{100}$  10

7. Adding and subtracting decimals.  
 $4.79 + 4.89 =$  9.68       $7.49 - 2.66 =$  4.83  
 $94.79 + 39.68 =$  134.47       $76.13 - 54.65 =$  21.48

8. Multiplying and dividing decimals.  

$$\begin{array}{r} 35.94 \\ \times 2.4 \\ \hline 14376 \\ 71880 \\ \hline 86.256 \end{array}$$

$$\begin{array}{r} 208.1 \\ \times 0.35 \\ \hline 10405 \\ 62430 \\ \hline 72.835 \end{array}$$

$$\begin{array}{r} 39.6 \\ 0.7 \overline{) 27.72} \\ \underline{24.8} \\ 29.2 \\ \underline{27.2} \\ 2.00 \\ \underline{1.40} \\ 0.60 \\ \underline{0.56} \\ 0.04 \\ \underline{0.00} \\ 0.040 \end{array}$$

$$\begin{array}{r} 78.5 \\ 0.08 \overline{) 6.280} \\ \underline{0.64} \\ 0.640 \\ \underline{0.640} \\ 0.000 \end{array}$$

9. Multiplying and dividing by 10, 100 or 1000.  
 $4.18 \times 100 =$  418       $17.3 \div 100 =$  0.173  
 $35.9 \times 10 =$  359       $5.36 \div 10 =$  0.536


10. Multiplying and dividing by powers of 10.  
 $1.9 \times 10^2 =$  190       $8.2 \div 10^2 =$  0.082

**Marking Schedule (Circle S, A or D)**  
 S = Shows strength (All 28 correct)  
 A = Achieved (22 to 27 correct)  
 D = Developing (less than 22 correct)

28
----

**D3**

Name: \_\_\_\_\_ Answers \_\_\_\_\_ Class: \_\_\_\_\_ L4N2


1. How much would 7 C.D.'s at \$16.45 each cost? \$115.15 

2. How much would 3 kilograms of meat at \$11.75 per kilogram cost? \$35.25

3. If 8 exercise books cost \$6.80, what is the cost of one exercise book? \$0.85





4. Add up Jan's shopping list / work out her change.  

$\$17.85$	
$\$30.65$	If Jan paid for her purchases with five \$20.00 notes, how much change would she get back?
$\$21.10$	
$\$19.65$	
$+ \$2.60$	
<u><math>\\$91.85</math></u>	<u><math>\\$100.00</math></u>
	<u><math>-\\$91.85</math></u>
	<u><math>\\$8.15</math></u>



5. Shade in  $\frac{2}{3}$  of this group of shapes.  


6. What fraction of each group of shapes is shaded? (Simplify your answer)  

 $\frac{2}{3}$	 $\frac{2}{5}$
 $\frac{1}{2}$	 $\frac{3}{4}$

7. Find each fraction of these whole numbers.  
 $\frac{1}{3}$  of \$45 = \$15       $\frac{1}{5}$  of \$70 = \$14

8. Find each fraction of these decimal numbers.  
 $\frac{1}{4}$  of \$40.80 = \$10.20       $\frac{1}{2}$  of \$41.50 = \$20.75

9. If \$36 is shared between ten people, how much does each person get? \$3.60

10. If \$28.95 is shared between three people, how much does each person get? \$9.65

11. Read each statement and write the information as a fraction. Example: 3 out of 4 is written as  $\frac{3}{4}$   
 Abbey scored 37 out of 50 in a test.  $\frac{37}{50}$   
 It rained 18 days out of 30 days.  $\frac{18}{30}$

**Marking Schedule (Circle S, A or D)**  
 S = Shows strength (All 18 correct)  
 A = Achieved (14 to 17 correct)  
 D = Developing (less than 14 correct)

18
----



**D4**

Name: \_\_\_\_\_ Answers \_\_\_\_\_ Class: \_\_\_\_\_ L4N2

- Round these numbers to the nearest 10.  

584	<u>580</u>	765	<u>770</u>	613	<u>610</u>
-----	------------	-----	------------	-----	------------
- Round these numbers to the nearest 100.  

487	<u>500</u>	250	<u>300</u>	946	<u>900</u>
-----	------------	-----	------------	-----	------------
- Round these numbers to the nearest 1000.  

3761	<u>4000</u>	7386	<u>7000</u>	4500	<u>5000</u>
------	-------------	------	-------------	------	-------------
- Round these numbers to the nearest 10, 100 or 1000, before working out an estimated answer.  

216 + 838	220 + 840	=	<u>1060</u>
5238 - 979	5200 - 1000	=	<u>4200</u>
1894 × 17	2000 × 20	=	<u>40000</u>
9059 ÷ 9	9000 ÷ 9	=	<u>1000</u>

5. Order of operations.

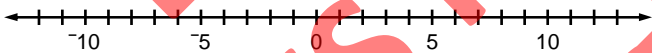
**BEDMAS**

$8 \times 7 + 54 =$	<u>110</u>	$95 \div 5 - 6 =$	<u>13</u>
$87 - 6 \times 8 =$	<u>39</u>	$79 - 72 \div 9 =$	<u>71</u>

6. Calculate the new temperature.

Starting temperature 9°C, drops 10°C. -1°C  
 Starting temperature -4°C, rises 9°C. 5°C  
 Starting temperature -2°C, drops 8°C. -10°C

7. Add these positive and negative numbers



$-4 + 8 =$	<u>4</u>	$3 + -8 =$	<u>-5</u>
$6 + -9 =$	<u>-3</u>	$-7 + -4 =$	<u>-11</u>

8. What is the place value of the BOLD digit in each number and what does it mean?

Example: place value =  $\frac{1}{10}$ 's,  $\frac{1}{100}$ 's, 1's, 10's or 100's

	Place value	Number		Place value	Number
78.29	<b>1's</b>	<b>8</b>	84.36	$\frac{1}{100}$ 's	<b>6</b> / <sub>100</sub>
81.93	$\frac{1}{10}$ 's	<b>9</b> / <sub>10</sub>	97.62	<b>10's</b>	<b>90</b>

Marking Schedule (Circle S, A or D)

- S = Shows strength (All 32 correct)
- A = Achieved (26 to 31 correct)
- D = Developing (less than 26 correct)



**D5**

Name: \_\_\_\_\_ Class: \_\_\_\_\_ L4N2

1. Complete each calculation to create equivalent fractions. Example:  $\frac{1}{2} \times \frac{4}{4} = \frac{4}{8}$

$\frac{1}{2} \times \frac{5}{5} =$	<u><math>\frac{5}{10}</math></u>	$\frac{1}{4} \times \frac{7}{7} =$	<u><math>\frac{7}{28}</math></u>
$\frac{3}{5} \times \frac{6}{6} =$	<u><math>\frac{18}{30}</math></u>	$\frac{3}{4} \times \frac{9}{9} =$	<u><math>\frac{27}{36}</math></u>
$\frac{2}{3} \times \frac{3}{3} =$	<u><math>\frac{6}{9}</math></u>	$\frac{7}{10} \times \frac{10}{10} =$	<u><math>\frac{70}{100}</math></u>

2. Match these equivalent fractions.

Example:  $\frac{1}{2} = \frac{8}{16}$

$\frac{1}{3} =$	<u><math>\frac{4}{12}</math></u>	$\frac{9}{12} =$	<u><math>\frac{3}{4}</math></u>
$\frac{10}{12} =$	<u><math>\frac{5}{6}</math></u>	$\frac{3}{5} =$	<u><math>\frac{6}{10}</math></u>
$\frac{2}{3} =$	<u><math>\frac{8}{12}</math></u>	$\frac{5}{20} =$	<u><math>\frac{1}{4}</math></u>

Answers:

$\frac{4}{12}$	$\frac{3}{4}$
$\frac{6}{10}$	$\frac{1}{4}$
$\frac{8}{12}$	$\frac{5}{6}$

3. Convert these fractions to decimals.

Example:  $\frac{1}{2} = 0.5$

$\frac{1}{2} =$	<u>0.5</u>	$\frac{2}{5} =$	<u>0.4</u>
$\frac{3}{4} =$	<u>0.75</u>	$\frac{7}{10} =$	<u>0.7</u>
$\frac{2}{3} =$	<u>0.66</u>	$\frac{1}{4} =$	<u>0.25</u>

4. Convert these decimals to fractions.

Example:  $0.5 = \frac{1}{2}$

0.5 =	<u><math>\frac{1}{2}</math></u>	0.75 =	<u><math>\frac{3}{4}</math></u>
0.7 =	<u><math>\frac{7}{10}</math></u>	0.66 =	<u><math>\frac{2}{3}</math></u>
0.4 =	<u><math>\frac{2}{5}</math></u>	0.25 =	<u><math>\frac{1}{4}</math></u>

5. Convert these percentages to decimals.

Example:  $50\% = 0.5$

50% =	<u>0.5</u>	25% =	<u>0.25</u>
5% =	<u>0.05</u>	60% =	<u>0.6</u>
75% =	<u>0.75</u>	$66\frac{2}{3}\%$ =	<u>0.66</u>

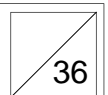
6. Convert these decimals to percentages.

Example:  $0.5 = 50\%$

0.05 =	<u>5%</u>	0.5 =	<u>50%</u>
0.25 =	<u>25%</u>	0.6 =	<u>60%</u>
0.66 =	<u><math>66\frac{2}{3}\%</math></u>	0.75 =	<u>75%</u>

Marking Schedule (Circle S, A or D)

- S = Shows strength (All 36 correct)
- A = Achieved (29 to 35 correct)
- D = Developing (less than 29 correct)



Notes:

**Evaluation Copy**  
**AWS Publications Ltd**  
**All rights reserved**