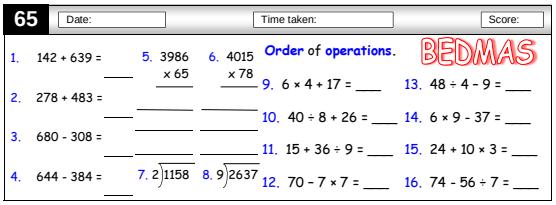
A **Complete Guide to ...**

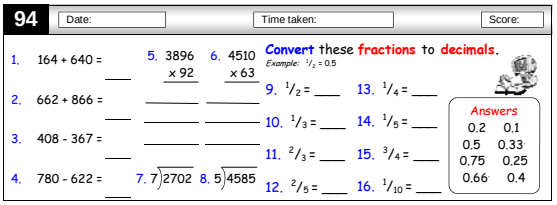
DAILY NUMBER REVISION

A Skills Mastery Programme

Book 6 - *Revised Edition*

(Suggested use at Year 7)





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

AWS Publications Ltd

A Complete Guide to ...

DAILY NUMBER REVISION

A Skills Mastery Programme

Book 6

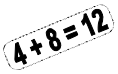
(Year 7)

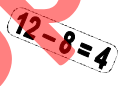
This resource is one of a series of **7 resources** covering the

NUMBER STRAND ACHIEVEMENT OBJECTIVES

for Levels 1 to 4

plus **NUMERACY SKILLS** involving ...





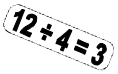
Addition

Subtraction

Multiplication

Division

... including ASSESSMENT ACTIVITIES



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L4N1

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This resource ...

*A Complete Guide to

Daily Number Revision

Book 6 (Years 7)

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 ...

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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 *Mathematics Curriculum* 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	**Assessment and Reporting Ideas / Time Taken Record Sheet & Pupil Progress Record Sheet / Merit Award & Certificate of Achievement Masters**
7	Four sets of **Parallel Assessment Sheets**
8	Answers for the Four sets of **Parallel Assessment Sheets**

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

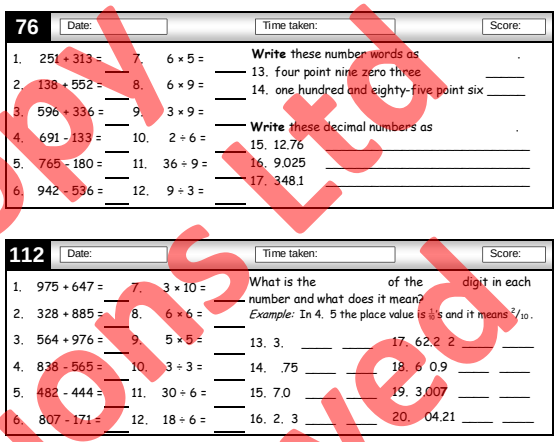
Book 5 (L3N2) contains 30 A4 sized activity sheets. On each activity sheet there are 5 sets of 12 to 24 questions. The following activities are included in this resource.

☑ **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.
- $^1/_{10}$'s, $^1/_{100}$'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 = 2. 138 + 552 = 3. 596 + 336 = 4. 691 - 133 = 5. 765 - 180 = 6. 942 - 536 =
7. 6 × 5 = 8. 6 × 9 = 9. 3 × 9 = 10. 2 ÷ 6 = 11. 36 ÷ 9 = 12. 9 ÷ 3 =
Write these number words as .
13. four point nine zero three
14. one hundred and eighty-five point six
Write these decimal numbers as .
15. 12.76
16. 9.025
17. 348.1

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

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

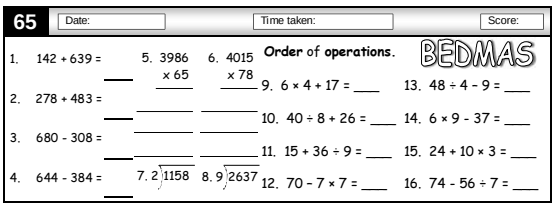
Books 6 (L4N1) & 7 (L4N2) each contain 30 A4 sized activity sheets. On each activity sheet there are 5 sets of 11 to 20 questions. The following activities are included in these resources.

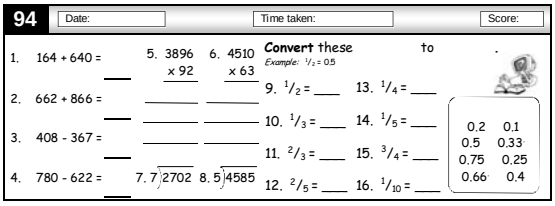
☑ **Numeracy Facts:**

- **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.
- $^1/_{10}$'s, $^1/_{100}$'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 = 2. 278 + 483 = 3. 680 - 308 = 4. 644 - 384 =
5. 3986 × 65 6. 4015 × 78 7. 2)1158 8. 9)2637
Order of operations. BEDMAS
9. 6 × 4 + 17 = ___ 10. 40 ÷ 8 + 26 = ___ 11. 15 + 36 ÷ 9 = ___ 12. 70 - 7 × 7 = ___
13. 48 ÷ 4 - 9 = ___ 14. 6 × 9 - 37 = ___ 15. 24 + 10 × 3 = ___ 16. 74 - 56 ÷ 7 = ___


94 Date: Time taken: Score:
1. 164 + 640 = 2. 662 + 866 = 3. 408 - 367 = 4. 780 - 622 =
5. 3896 × 92 6. 4510 × 63 7. 7)2702 8. 5)4585
Convert these to .
Example: $^1/_2$ = 0.5
9. $^1/_2$ = ___ 10. $^1/_3$ = ___ 11. $^2/_3$ = ___ 12. $^2/_5$ = ___
13. $^1/_4$ = ___ 14. $^1/_5$ = ___ 15. $^3/_4$ = ___ 16. $^1/_{10}$ = ___
0.2 0.1 0.5 0.33 0.75 0.25 0.66 0.4

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

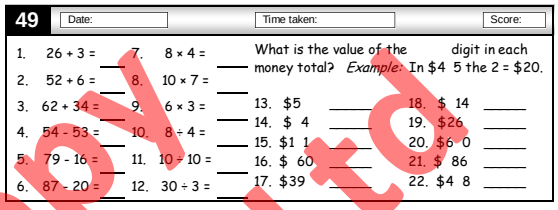
Book 3 (L2N2) contains 30 A4 sized activity sheets. On each activity sheet there are 5 sets of 12 to 24 questions. The following activities are included in this resource.

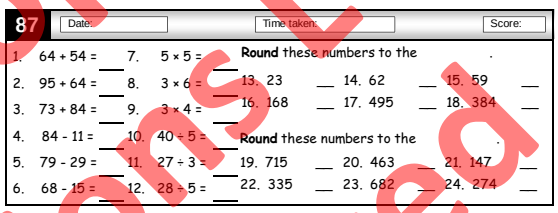
☑ **Numeracy Facts:**

- **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**.





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

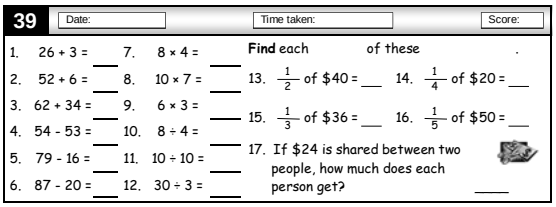
Book 4 (L3N1) contains 30 A4 sized activity sheets. On each activity sheet there are 5 sets of 12 to 24 questions. The following activities are included in this resource.

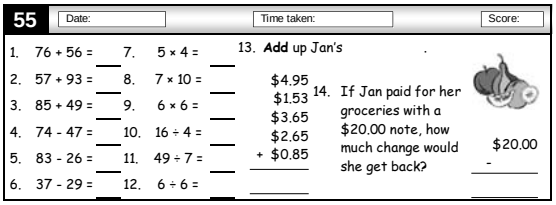
☑ **Numeracy Facts:**

- **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.
- $^1/_{10}$'s, $^1/_{100}$'s, 1's, 10's & 100's **place value** in decimal numbers.
- Understanding & working with **fractions**.





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

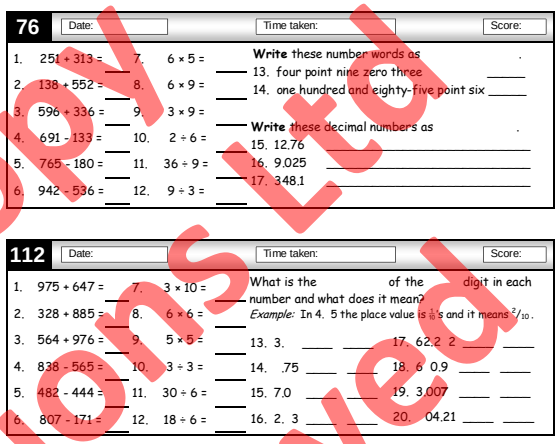
Book 5 (L3N2) contains 30 A4 sized activity sheets. On each activity sheet there are 5 sets of 12 to 24 questions. The following activities are included in this resource.

☑ **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.
- $^1/_{10}$'s, $^1/_{100}$'s, 1's, 10's & 100's **place value** in decimal numbers.
- Understanding & working with **fractions**.
- Matching **equivalent** fractions.



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

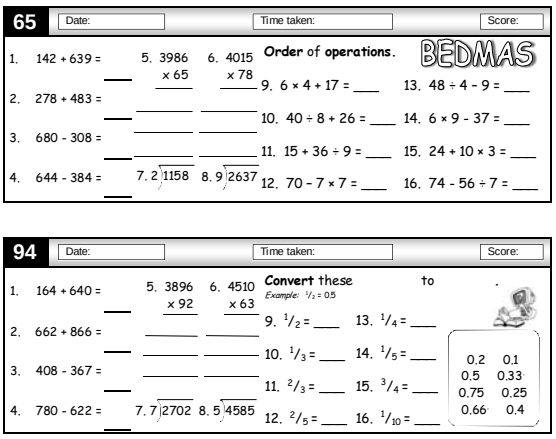
Books 6 (L4N1) & 7 (L4N2) each contain 30 A4 sized activity sheets. On each activity sheet there are 5 sets of 11 to 20 questions. The following activities are included in these resources.

☑ **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.
- $^1/_{10}$'s, $^1/_{100}$'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**.



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.

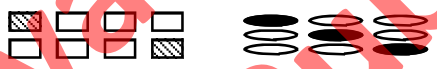
Exploring computation and estimation

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.

Activity Being Introduced	First Introduced in DAILY ACTIVITY Number ...	Level 4 Number Strand Objective covered
Rounding money / whole number to the nearest $10, **10**, **$100** or 100 *Example:* **Round** these money amounts to the nearest **$10**. $52, $93, $48, $65	7	N4 (Level 3)
Finding a **fraction** of a quantity *Example:* **Find** each **fraction** of these whole numbers. $\frac{1}{4}$ of 16 = _____ $\frac{1}{5}$ of 320 = _____	8	N9
Understanding **place value** in decimals numbers *Example:* What is the **place value** of the **BOLD** digit in each number and what does it mean? In 14.**2**5 the place value is $^1/_{10}$'s and it means $^2/_{10}$'s. In 1.1**2** the place value is $^1/_{100}$'s and it means $^2/_{100}$'s.	9	N2 (Level 3)
Squares and **square roots** *Example:* **Calculate** the **squares** of these numbers. 5^2, 6^2, 9^2 **Calculate** the **square root** of these numbers. $\sqrt{25}$, $\sqrt{64}$, $\sqrt{100}$	14	N2
Special numbers *Example:* List the **prime numbers** between 9 and 20. List the first 5 **multiples** of 9. List the **factors** of 24	15	N5 (Level 3)
What fraction is shaded? *Example:* What **fraction** of each group of shapes is shaded? 	19	N7 (Level 3)
Word problems involving **Numeracy Skills** *Example:* **Add** up a shopping list, then **calculate** the change. 	21	N6 (Level 3)
Multiplying and **dividing** by 10, 100 or 1000 *Example:* 5.37 × 10 = _____ 732.4 ÷ 100 = _____	24	N2
Estimating answers by **rounding** to the nearest 10, 100 or 1000 *Example:* 1867 + 89 = _____ + _____ = _____ 2495 × 23 = _____ × _____ = _____	26	N7
Creating **equivalent fractions** *Example:* **Complete** the calculation to create **equivalent** fractions. $^1/_2 \times {}^8/_8$ = _____ $^1/_4 \times {}^6/_6$ = _____	39	N3

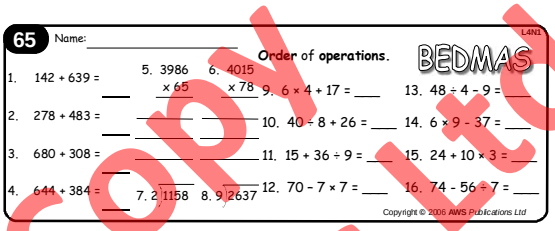
Daily Number Activity Tasks:

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 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.



Activity Being Introduced	First Introduced in DAILY ACTIVITY Number ...	Level 4 Number Strand Objective covered
Ordering decimal numbers *Example:* **Order** these decimals from **smallest** to **largest**. 3.6, 4.9, 9.4, 5.7, 1.8, 2.7, 6.3	1	N3 (Level 3)
Reading and **writing** 3-digit numbers *Example:* **Write** each 3-digit number as number words. **602** = six hundred & two, ... etc. **Write** these number words as 3-digit numbers . two hundred & eighteen = 218, ... etc.	2	N1 (Level 3)
Shading in a **fraction** of a shape *Example:* **Shade** in part of each diagram to show you understand these fractions. $\frac{3}{4}$ $\frac{2}{3}$	3	N7 (Level 3)
Word Problems involving **Numeracy Skills** *Example:* How much would 2 kilograms of meat at $11.75 per kilogram cost?	4	N8
Multiplying and **dividing** decimals *Example:* 349.2 × 4.7 $0.09\overline{)4.185}$	5	N8
Introducing **negative numbers** by calculating temperature changes *Example:* **Calculate** the change in temperature. Starting temperature 9°C, **drops** 8°C. Starting temperature −7°C, **rises** 5°C.	6	N1

Activity Being Introduced	First Introduced in DAILY ACTIVITY Number ...	Level 4 Number Strand Objective covered
Reading and **writing** decimal numbers *Example:* **Write** these number words as decimal numbers. four point seven three five = 4.735, etc. **Write** each decimal number as number words. 12.034 = twelve point zero three four	51	N2 (Level 3)
Reading and **writing** information as a fraction *Example:* **Write** each statement as a fraction. It rained 2 days in the last week. $\frac{2}{7}$	53	N2 (Level 3)
Matching **equivalent fractions** *Example:* **Match** these **equivalent** fractions. $^1/_2$ = ____ $^3/_{12}$ = ____ Answers: $^6/_{24}$ $^5/_{10}$	58	N3
Order of operations *Example:* 6 × 4 - 17 = ____ 40 ÷ 8 + 26 = ____ BEDMAS	65	N2
Adding positive and **negative numbers** *Example:* **Add** these **positive** and **negative** numbers −10 −5 0 5 10 8 + −6 = ____ −9 + 7 = ____	79	N1
Finding a **percentage** of a quantity *Example:* **Find** each **percentage** of these whole numbers. 10% of 80 = ____ 50% of 95 = ____	81	N9
Converting fractions to decimals *Example:* $^1/_2$ = ____ $^3/_4$ = ____ Answers: 0.5 0.75	94	N4
Converting decimals to fractions *Example:* 0.25 = ____ 0.5 = ____ Answers: $^1/_2$ $^1/_4$	101	N4
Multiplying and **dividing** by powers of 10 *Example:* 5.37×10^2 = ____ $732.4 \div 10^2$ = ____	105	N2
Converting decimals to percentages *Example:* 0.25 = ____ 0.5 = ____ Answers: 25% 50%	117	N5
Converting percentages to decimals *Example:* 25% = ____ 50% = ____ Answers: 0.5 0.25	125	N5

For information about ....

☑ **Assessment and Reporting Ideas**

☑ **Teacher and Pupil Record Sheets**

refer to the section after the 30 A4 Activity Sheets.

Daily Number Activity Tasks

1

Name: | Copyright © 2006 AWS Publications Ltd | Time taken: | Score: | L4N1

(1) 761 + 229 = _____

(2) 393 + 486 = _____

(3) 784 - 480 = _____

(4) 670 - 249 = _____

(5) 2470 × 28 = _____

(6) 5093 × 75 = _____

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

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

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

5.4, 3.8, 1.3, 9.7, 2.9, 4.6, 2.2, 1.9, 7.8

(9) _____

6.5, 4.1, 9.6, 4.7, 7.4, 1.2, 8.5, 8.7, 6.2

(10) _____

8.3, 3.7, 6.3, 7.4, 5.6, 3.5, 7.2, 1.6, 7.9

(11) _____

2

Name: | Copyright © 2006 AWS Publications Ltd | Time taken: | Score: | L4N1

(1) 361 + 597 = _____

(2) 584 + 108 = _____

(3) 687 - 241 = _____

(4) 706 - 492 = _____

(5) 5936 × 82 = _____

(6) 6127 × 57 = _____

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

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

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

(9) three hundred and twenty-nine _____

(10) five hundred and seven _____

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

(11) 624 _____

(12) 419 _____

(13) 594 _____

3

Name: | Copyright © 2006 AWS Publications Ltd | Time taken: | Score: | L4N1

(1) 657 + 234 = _____

(2) 395 + 494 = _____

(3) 696 - 436 = _____

(4) 785 - 188 = _____

(5) 1824 × 28 = _____

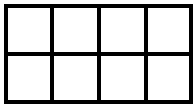
(6) 4850 × 75 = _____

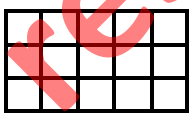
(7) $2\overline{)1854}$

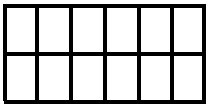
(8) $5\overline{)3090}$

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

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

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

(11) $\frac{1}{5}$ 

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

4

Name: | Copyright © 2006 AWS Publications Ltd | Time taken: | Score: | L4N1

(1) 256 + 518 = _____

(2) 481 + 334 = _____

(3) 478 - 255 = _____

(4) 758 - 188 = _____

(5) 7059 × 82 = _____

(6) 9361 × 57 = _____

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

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

(9) How much would 4 C.D.'s at $29.95 each cost? _____

(10) How much would 2 kilograms of meat at $11.75 per kilogram cost? _____

(11) If 9 exercise books cost $5.85, what is the cost of one exercise book? _____

5

Name: | Copyright © 2006 AWS Publications Ltd | Time taken: | Score: | L4N1

(1) 142 + 639 = _____

(2) 458 + 571 = _____

(3) 697 - 426 = _____

(4) 841 - 409 = _____

(5) 3618 × 28 = _____

(6) 2748 × 75 = _____

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

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

Multiplying and **dividing decimals**.

(9) 349.2 × 4.7 = _____

(10) 5.768 × 0.29 = _____

(11) $0.4\overline{)118.8}$

(12) $0.09\overline{)4.185}$

6

Name: Time taken: Score: L4N1

(1) 182 + 486 =

(2) 306 + 527 =

(3) 679 - 139 =

(4) 814 - 490 =

(5) 6127 × 46

(6) 5963 × 39

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

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

Calculate the change in temperatures.

(9) Starting temperature 9°C, **drops** 8°C.

(10) Starting temperature 2°C, **rises** 9°C.

(11) Starting temperature 3°C, **drops** 5°C.

(12) Starting temperature $^{-}$7°C, **rises** 5°C.

(13) Starting temperature $^{-}$2°C, **drops** 4°C.

7

Name: Time taken: Score: L4N1

(1) 145 + 259 =

(2) 492 + 282 =

(3) 589 - 204 =

(4) 766 - 439 =

(5) 5408 × 64

(6) 2841 × 93

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

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

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

(9) 149 (10) 312 (11) 853

(12) 975 (13) 443 (14) 264

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

(15) 1416 (16) 2551 (17) 6117

(18) 3289 (19) 7276 (20) 4910

8

Name: Time taken: Score: L4N1

(1) 558 + 261 =

(2) 837 + 127 =

(3) 586 - 475 =

(4) 766 - 493 =

(5) 4027 × 64

(6) 1693 × 39

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

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

Finding a **fraction** of a **quantity**.

(9) $^1/_2$ of 48 = (10) $^1/_3$ of 60 =

(11) $^1/_4$ of 24 = (12) $^1/_5$ of 75 =

(13) $^1/_3$ of 120 = (14) $^1/_4$ of 160 =

(15) $^1/_5$ of 150 = (16) $^1/_2$ of 320 =

9

Name: Time taken: Score: L4N1

(1) 614 + 119 =

(2) 591 + 196 =

(3) 986 - 716 =

(4) 982 - 689 =

(5) 3095 × 46

(6) 5790 × 93

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

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

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 $^2/_{10}$.

(9) 2.**5** (10) 51.0**9**2

(11) **3**.78 (12) 7**4**2.7

(13) 8.0**3** (14) 3.14**8**

(15) 3.**8**7 (16) **6**42.04

10

Name: Time taken: Score: L4N1

(1) 275 + 493 =

(2) 547 + 249 =

(3) 459 - 115 =

(4) 928 - 698 =

(5) 4278 × 64

(6) 1836 × 39

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

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

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

(9) six hundred and forty-eight

(10) seven hundred and thirteen

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

(11) 539

(12) 806

(13) 173

11

Name: | | Time taken: | Score: | L4N1

(1) 143 + 728 = _____

(2) 180 + 345 = _____

(3) 397 - 232 = _____

(4) 941 - 832 = _____

(5) 2470 × 65 = _____

(6) 5093 × 78 = _____

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

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

Calculate the change in temperatures.

(9) Starting temperature 2°C, **rises** 7°C. _____

(10) Starting temperature 6°C, **drops** 9°C. _____

(11) Starting temperature 0°C, **rises** 6°C. _____

(12) Starting temperature $^{-}$3°C, **rises** 8°C. _____

(13) Starting temperature $^{-}$1°C, **drops** 7°C. _____

12

Name: | | Time taken: | Score: | L4N1

(1) 270 + 586 = _____

(2) 436 + 246 = _____

(3) 598 - 303 = _____

(4) 419 - 328 = _____

(5) 5936 × 56 = _____

(6) 6127 × 87 = _____

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

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

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

5.3, 9.6, 4.7, 5.4, 3.8, 1.3, 9.7, 2.9, 6.5, 4.1

9. _____

7.5, 3.6, 5.2, 9.1, 2.7, 6.4, 4.4, 1.1, 9.8, 6.4

10. _____

6.1, 3.7, 8.5, 6.4, 1.8, 4.7, 6.2, 9.4, 7.4, 8.2

11. _____

13

Name: | | Time taken: | Score: | L4N1

(1) 372 + 308 = _____

(2) 193 + 873 = _____

(3) 985 - 825 = _____

(4) 842 - 624 = _____

(5) 1824 × 65 = _____

(6) 4850 × 78 = _____

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

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

9. How much would 5 C.D.'s at $24.95 each cost? _____

10. How much would 4 kilograms of meat at $10.60 per kilogram cost? _____

11. If 7 exercise books cost $8.75, what is the cost of one exercise book? _____

14

Name: | | Time taken: | Score: | L4N1

(1) 340 + 167 = _____

(2) 759 + 124 = _____

(3) 384 - 164 = _____

(4) 824 - 642 = _____

(6) 7059 × 56 = _____

(6) 9361 × 87 = _____

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

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

Calculate the **squares** of these numbers.

(9) 2^2 _____ (10) 9^2 _____ (11) 4^2 _____

(12) 7^2 _____ (13) 3^2 _____ (14) 6^2 _____

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

(15) $\sqrt{25}$ _____ (16) $\sqrt{64}$ _____ (17) $\sqrt{49}$ _____

(18) $\sqrt{81}$ _____ (19) $\sqrt{16}$ _____ (20) $\sqrt{36}$ _____

15

Name: | | Time taken: | Score: | L4N1

(1) 263 + 109 = _____

(2) 184 + 551 = _____

(3) 975 - 170 = _____

(4) 873 - 158 = _____

(5) 3618 × 65 = _____

(6) 2748 × 78 = _____

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

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

Prime numbers, multiples & factors

(9) **List** the **prime numbers** between **10** and **20**. _____

(10) **List** the first 5 **multiples** of **5**. _____

(11) **List** the first 5 **multiples** of **6**. _____

(12) **List** the **factors** of **12**. _____

(13) **List** the **factors** of **15**. _____

16

Name: Time taken: Score: L4N1

(1) 352 + 356 = _____

(2) 628 + 337 = _____

(3) 837 - 185 = _____

(4) 380 - 154 = _____

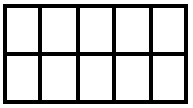
(5) 8124 × 29 = _____

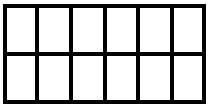
(6) 8450 × 36 = _____

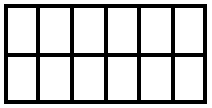
(7) $8\overline{)4544}$

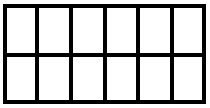
(8) $9\overline{)3663}$

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

(9) $\frac{2}{5}$ 

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

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

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

17

Name: Time taken: Score: L4N1

(1) 207 + 696 = _____

(2) 282 + 367 = _____

(3) 964 - 749 = _____

(4) 308 - 145 = _____

(5) 5079 × 92 = _____

(6) 1693 × 63 = _____

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

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

Multiplying and **dividing decimals.**

(9) 39.57 × 5.6 = _____

(10) 4.628 × 0.38 = _____

(11) $0.5\overline{)1.845}$

(12) $0.07\overline{)64.89}$

18

Name: Time taken: Score: L4N1

(1) 267 + 251 = _____

(2) 469 + 317 = _____

(3) 946 - 794 = _____

(4) 590 - 423 = _____

(5) 3618 × 29 = _____

(6) 4728 × 36 = _____

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

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

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

(9) 187 _____ (10) 245 _____ (11) 386 _____

(12) 931 _____ (13) 623 _____ (14) 762 _____

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

(15) 1812 _____ (16) 2436 _____ (17) 3837 _____

(18) 4389 _____ (19) 9275 _____ (20) 5497 _____

19

Name: Time taken: Score: L4N1

(1) 295 + 760 = _____

(2) 564 + 437 = _____

(3) 744 - 648 = _____

(4) 905 - 234 = _____

(5) 3659 × 92 = _____

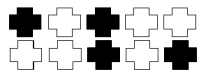
(6) 1276 × 60 = _____

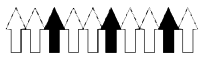
(7) $8\overline{)3760}$

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

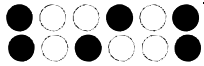
What **fraction** of each group of shapes is shaded?

(9)  _____

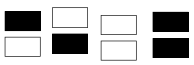
(10)  _____

(11)  _____

(12)  _____

(13)  _____

(14)  _____

(15)  _____

(16)  _____

20

Name: Time taken: Score: L4N1

(1) 251 + 485 = _____

(2) 527 + 303 = _____

(3) 644 - 384 = _____

(4) 645 - 107 = _____

(5) 4720 × 90 = _____

(6) 9053 × 36 = _____

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

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

(9) How much would 3 C.D.'s at $32.95 each cost? _____

(10) How much would 6 kilograms of meat at $4.65 per kilogram cost? _____

(11) If 8 exercise books cost $6.80, what is the cost of one exercise book? _____

21

Name: | | Time taken: | Score: | L4N1

(1) 209 + 632 = _____

(2) 383 + 251 = _____

(3) 761 - 636 = _____

(4) 654 - 170 = _____

(5) 4281 × 89 = _____

(6) 8472 × 47 = _____

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

(8) $4\overline{)1116}$

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

$12.45
$15.40
$26.15
$12.64
+ $9.85
_____

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

_____
-
_____

22

Name: | | Time taken: | Score: | L4N1

(1) 164 + 640 = _____

(2) 413 + 437 = _____

(3) 717 - 666 = _____

(4) 795 - 299 = _____

(5) 1836 × 98 = _____

(6) 5048 × 74 = _____

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

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

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 $^{2}/_{10}$.

(9) 3.**7** _____ _____

(10) 12.3**8**3 _____ _____

(11) **7**.25 _____ _____

(12) **9**42.6 _____ _____

(13) 9.0**5** _____ _____

(14) 9.04**5** _____ _____

(15) 3.**9**3 _____ _____

(16) **5**24.19 _____ _____

23

Name: | | Time taken: | Score: | L4N1

(1) 209 + 683 = _____

(2) 473 + 155 = _____

(3) 453 - 127 = _____

(4) 759 - 299 = _____

(5) 5970 × 89 = _____

(6) 3619 × 47 = _____

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

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

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

(9) nine hundred and sixty-five _____

(10) three hundred and seventy-two _____

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

(11) 396 _____

(12) 437 _____

(13) 849 _____

24

Name: | | Time taken: | Score: | L4N1

(1) 382 + 694 = _____

(2) 678 + 128 = _____

(3) 453 - 127 = _____

(4) 680 - 308 = _____

(5) 3659 × 98 = _____

(6) 2761 × 74 = _____

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

(8) $4\overline{)1436}$

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

(9) 5.37 × 100 = _____

(10) 3.7 × 1000 = _____

(11) 7.4 × 10 = _____

(12) 2.1 × 100 = _____

(13) 0.06 × 1000 = _____

(14) 49.3 ÷ 10 = _____

(15) 53.6 ÷ 100 = _____

(16) 625 ÷ 1000 = _____

(17) 89.7 ÷ 10 = _____

(18) 579 ÷ 100 = _____

25

Name: | | Time taken: | Score: | L4N1

(1) 198 + 109 = _____

(2) 191 + 518 = _____

(3) 992 - 345 = _____

(4) 680 - 308 = _____

(5) 2470 × 89 = _____

(6) 5930 × 47 = _____

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

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

Calculate the change in temperatures.

(9) Starting temperature 4°C, **rises** 6°C. _____

(10) Starting temperature 4°C, **drops** 7°C. _____

(11) Starting temperature 6°C, **rises** 9°C. _____

(12) Starting temperature $^{-}$5°C, **rises** 6°C. _____

(13) Starting temperature $^{-}$3°C, **drops** 5°C. _____

26

Name: Time taken: Score: L4N1

(1) 478 + 197 =

(2) 761 + 229 =

(3) 992 - 345 =

(4) 952 - 648 =

(5) 5093 × 25

(6) 2470 × 78

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

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

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

(9) 580 + 325 ____ + ____ = ____

(10) 2178 - 595 ____ - ____ = ____

(11) 4867 × 18 ____ × ____ = ____

(12) 7496 ÷ 5 ____ ÷ ____ = ____

27

Name: Time taken: Score: L4N1

(1) 393 + 486 =

(2) 141 + 971 =

(3) 480 - 376 =

(4) 952 - 648 =

(5) 6127 × 52

(6) 5936 × 87

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

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

Calculate the **squares** of these numbers.

(9) 5^2 (10) 8^2 (11) 9^2

(12) 10^2 (13) 12^2 (14) 6^2

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

(15) $\sqrt{9}$ (16) $\sqrt{81}$ (17) $\sqrt{36}$

(18) $\sqrt{25}$ (19) $\sqrt{49}$ (20) $\sqrt{144}$

28

Name: Time taken: Score: L4N1

(1) 833 + 259 =

(2) 306 + 527 =

(3) 408 - 367 =

(4) 691 - 508 =

(5) 4850 × 25

(6) 1824 × 78

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

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

Multiplying and **dividing decimals**.

(9) 426.8 × 6.9

(10) 5.786 × 0.38

(11) $0.6\overline{)289.8}$

(12) $0.08\overline{)2.360}$

29

Name: Time taken: Score: L4N1

(1) 182 + 425 =

(2) 376 + 469 =

(3) 893 - 374 =

(4) 919 - 780 =

(5) 9361 × 52

(6) 7059 × 87

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

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

Prime numbers, multiples & factors

(9) **List** the **prime numbers** between **20** and **30**.

(10) **List** the first 5 **multiples** of **3**.

(11) **List** the first 5 **multiples** of **7**.

(12) **List** the **factors** of **18**.

(13) **List** the **factors** of **21**.

30

Name: Time taken: Score: L4N1

(1) 143 + 728 =

(2) 471 + 878 =

(3) 836 - 345 =

(4) 872 - 173 =

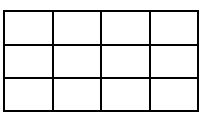
(5) 2748 × 25

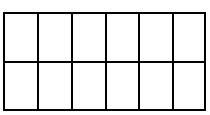
(6) 3618 × 78

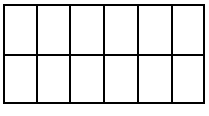
(7) $3\overline{)1077}$

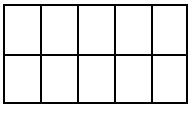
(8) $7\overline{)1953}$

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

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

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

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

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

31

Name: Time taken: Score: L4N1

(1) 180 + 425 =

(2) 904 + 836 =

(3) 363 - 269 =

(4) 827 - 137 =

(5) 6127 × 43

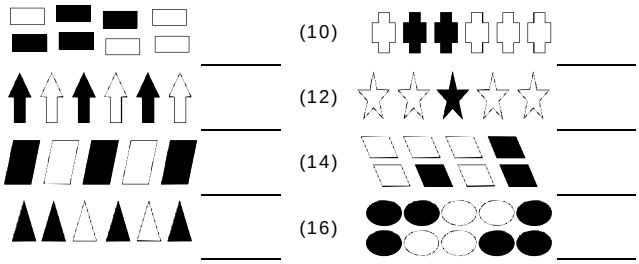
(6) 5936 × 69

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

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

What **fraction** of each group of shapes is shaded?

(9) (10) (11) (12) (13) (14) (15) (16)



32

Name: Time taken: Score: L4N1

(1) 628 + 337 =

(2) 689 + 167 =

(3) 636 - 296 =

(4) 491 - 196 =

(5) 5093 × 34

(6) 2470 × 96

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

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

(9) How much would 6 C.D.'s at $16.95 each cost?

(10) How much would 3 kilograms of meat at $14.35 per kilogram cost?

(11) If 9 exercise books cost $10.35, what is the cost of one exercise book?

33

Name: Time taken: Score: L4N1

(1) 352 + 356 =

(2) 762 + 486 =

(3) 652 - 417 =

(4) 419 - 169 =

(5) 9361 × 43

(6) 7059 × 96

(7) $6\overline{)2370}$

(8) $9\overline{)2511}$

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 $^{2}/_{10}$.

(9) 3.**1**

(10) 23.9**4**2

(11) **9**.41

(12) 8**2**0.9

(13) 5.0**4**

(14) 0.10**8**

(15) 8.**4**3

(16) **6**27.42

34

Name: Time taken: Score: L4N1

(1) 383 + 251 =

(2) 915 + 456 =

(3) 526 - 174 =

(4) 894 - 755 =

(5) 2748 × 34

(6) 3618 × 69

(7) $6\overline{)3708}$

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

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

3.4, 9.0, 5.6, 2.4, 5.1, 7.6, 8.2, 9.2, 5.7, 4.5

(9)

5.0, 6.3, 9.6, 4.2, 3.2, 6.1, 4.8, 5.9, 6.6, 7.4

(10)

7.5, 3.6, 5.2, 2.7, 6.4, 4.4, 1.1, 9.8, 6.4, 3.1

(11)

35

Name: Time taken: Score: L4N1

(1) 584 + 108 =

(2) 283 + 388 =

(3) 930 - 227 =

(4) 948 - 557 =

(5) 4850 × 43

(6) 1824 × 96

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

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

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

(9) 546 (10) 161 (11) 989

(12) 412 (13) 744 (14) 605

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

(15) 1423 (16) 4363 (17) 5947

(18) 3590 (19) 2622 (20) 7850

36

Name: Time taken: Score: L4N1

(1) 361 + 597 =

(2) 662 + 866 =

(3) 903 - 272 =

(4) 951 - 305 =

(5) 1842 × 49

(6) 4805 × 87

(7) $8\overline{)6848}$

(8) $5\overline{)3700}$

Finding a **fraction** of a **quantity**.

(9) $^1/_3$ of 39 =

(10) $^1/_5$ of 60 =

(11) $^1/_6$ of 42 =

(12) $^1/_{10}$ of 70 =

(13) $^1/_5$ of 125 =

(14) $^1/_6$ of 240 =

(15) $^1/_{10}$ of 270 =

(16) $^1/_3$ of 180 =

37

Name: Time taken: Score: L4N1

(1) 145 + 259 =

(2) 918 + 927 =

(3) 975 - 126 =

(4) 915 - 350 =

(5) 5970 × 94

(6) 6193 × 78

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

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

Calculate the change in temperatures.

(9) Starting temperature 5°C, **drops** 9°C.

(10) Starting temperature 7°C, **rises** 8°C.

(11) Starting temperature 6°C, **drops** 8°C.

(12) Starting temperature $^-$3°C, **rises** 7°C.

(13) Starting temperature $^-$1°C, **drops** 6°C.

38

Name: Time taken: Score: L4N1

(1) 492 + 282 =

(2) 548 + 272 =

(3) 759 - 261 =

(4) 584 - 307 =

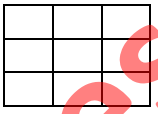
(5) 1836 × 49

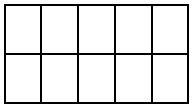
(6) 4827 × 87

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

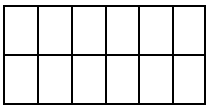
(8) $5\overline{)2695}$

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

(9) $\frac{1}{3}$ 

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

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

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

39

Name: Time taken: Score: L4N1

(1) 436 + 246 =

(2) 290 + 956 =

(3) 491 - 207 =

(4) 548 - 370 =

(5) 7024 × 94

(6) 9350 × 78

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

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

Complete each calculation to create **equivalent fractions**. *Example:* $^1/_2 \times {}^8/_8 = {}^8/_{16}$

(9) $^1/_2 \times {}^4/_4 =$

(10) $^1/_3 \times {}^5/_5 =$

(11) $^1/_4 \times {}^6/_6 =$

(12) $^1/_3 \times {}^3/_3 =$

(13) $^2/_3 \times {}^2/_2 =$

(14) $^3/_4 \times {}^7/_7 =$

(15) $^3/_5 \times {}^8/_8 =$

(16) $^7/_{10} \times {}^{10}/_{10} =$

40

Name: Time taken: Score: L4N1

(1) 270 + 586 =

(2) 788 + 903 =

(3) 419 - 270 =

(4) 783 - 536 =

(5) 3659 × 49

(6) 2761 × 87

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

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

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 $^2/_{10}$.

(9) 2.**5**

(10) 12.8**0**6

(11) **6**.78

(12) 3**7**9.4

(13) 4.0**5**

(14) 7.63**5**

(15) 9.**1**4

(16) **9**42.36

41

Name: Time taken: Score: L4N1

(1) 207 + 696 = _____

(2) 387 + 653 = _____

(3) 594 - 186 = _____

(4) 737 - 565 = _____

(5) 9507 × 26 = _____

(6) 1639 × 93 = _____

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

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

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

(9) 5.82 × 100 = _____

(10) 419 × 1000 = _____

(11) 7.3 × 10 = _____

(12) 68.2 × 100 = _____

(13) 1.27 × 1000 = _____

(14) 96.4 ÷ 10 = _____

(15) 862 ÷ 100 = _____

(16) 743 ÷ 1000 = _____

(17) 491 ÷ 10 = _____

(18) 64.3 ÷ 100 = _____

42

Name: Time taken: Score: L4N1

(1) 282 + 367 = _____

(2) 562 + 975 = _____

(3) 945 - 861 = _____

(4) 780 - 622 = _____

(5) 8163 × 60 = _____

(6) 8472 × 39 = _____

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

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

(9) **Add** up Rangi's shopping list.

$17.45
$15.83
$16.15
$12.62
+ $9.85
_____

(10) If Rangi paid for his groceries with four $20.00 notes, how much change would he get back?

_____

_____

_____

43

Name: Time taken: Score: L4N1

(1) 413 + 437 = _____

(2) 815 + 448 = _____

(3) 950 - 555 = _____

(4) 807 - 226 = _____

(5) 4281 × 26 = _____

(6) 8054 × 93 = _____

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

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

Prime numbers, multiples & factors

(9) **List** the **prime numbers** between **25** and **35**. _____

(10) **List** the first 5 **multiples** of **2**. _____

(11) **List** the first 5 **multiples** of **8**. _____

(12) **List** the **factors** of **20**. _____

(13) **List** the **factors** of **24**. _____

44

Name: Time taken: Score: L4N1

(1) 164 + 640 = _____

(2) 149 + 682 = _____

(3) 905 - 555 = _____

(4) 833 - 515 = _____

(5) 6395 × 62 = _____

(6) 7216 × 90 = _____

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

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

Calculate the **squares** of these numbers.

(9) 3^2 _____

(10) 8^2 _____

(11) 10^2 _____

(12) 7^2 _____

(13) 11^2 _____

(14) 9^2 _____

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

(15) $\sqrt{16}$ _____

(16) $\sqrt{64}$ _____

(17) $\sqrt{36}$ _____

(18) $\sqrt{49}$ _____

(19) $\sqrt{100}$ _____

(20) $\sqrt{25}$ _____

45

Name: Time taken: Score: L4N1

(1) 657 + 234 = _____

(2) 580 + 984 = _____

(3) 680 - 161 = _____

(4) 638 - 155 = _____

(5) 7024 × 26 = _____

(6) 9350 × 39 = _____

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

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

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

5.8, 1.0, 4.2, 7.9, 3.1, 6.7, 3.5, 6.0, 2.1, 4.8

(9) _____

3.8, 4.7, 8.0, 2.9, 3.4, 4.1, 3.3, 6.9, 1.3, 2.4

(10) _____

4.7, 3.8, 6.3, 2.6, 5.2, 1.9, 5.5, 9.9, 8.4, 6.3

(11) _____

46

Name: Time taken: Score: L4N1

(1) 395 + 494 = _____

(2) 547 + 548 = _____

(3) 806 - 511 = _____

(4) 642 - 546 = _____

(5) 8241 × 75 = _____

(6) 1276 × 68 = _____

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

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

(9) How much would 5 C.D.'s at $24.95 each cost? _____

(10) How much would 2 kilograms of meat at $12.75 per kilogram cost? _____

(11) If 6 exercise books cost $5.70, what is the cost of one exercise book? _____

47

Name: Time taken: Score: L4N1

(1) 837 + 127 = _____

(2) 463 + 287 = _____

(3) 791 - 314 = _____

(4) 724 - 364 = _____

(5) 4702 × 57 = _____

(6) 3619 × 86 = _____

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

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

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

(9) 921 + 689 ≈ _____ + _____ = _____

(10) 6268 - 715 ≈ _____ - _____ = _____

(11) 3785 × 32 ≈ _____ × _____ = _____

(12) 5894 ÷ 6 ≈ _____ ÷ _____ = _____

48

Name: Time taken: Score: L4N1

(1) 558 + 261 = _____

(2) 782 + 767 = _____

(3) 916 - 145 = _____

(4) 976 - 477 = _____

(5) 3956 × 75 = _____

(6) 2478 × 68 = _____

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

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

Multiplying and **dividing decimals**.

(9) 19.34 × 7.9 = _____

(10) 3.094 × 0.65 = _____

(11) $0.4\overline{)15.44}$

(12) $0.07\overline{)3.395}$

49

Name: Time taken: Score: L4N1

(1) 372 + 308 = _____

(2) 952 + 719 = _____

(3) 967 - 828 = _____

(4) 967 - 477 = _____

(5) 5097 × 57 = _____

(6) 8540 × 86 = _____

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

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

Calculate the change in temperatures.

(9) Starting temperature 3°C, **rises** 9°C. _____

(10) Starting temperature 5°C, **drops** 8°C. _____

(11) Starting temperature 0°C, **rises** 7°C. _____

(12) Starting temperature $^{-}$4°C, **rises** 8°C. _____

(13) Starting temperature $^{-}$3°C, **drops** 6°C. _____

50

Name: Time taken: Score: L4N1

(1) 193 + 873 = _____

(2) 697 + 136 = _____

(3) 679 - 288 = _____

(4) 856 - 268 = _____

(5) 6183 × 75 = _____

(6) 2761 × 68 = _____

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

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

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

(9) one hundred and fifty-four _____

(10) four hundred and thirty-six _____

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

(11) 963 _____

(12) 284 _____

(13) 175 _____

51

Name: Time taken: Score: L4N1

(1) 469 + 317 =

(2) 427 + 986 =

(3) 758 - 159 =

(4) 865 - 286 =

(5) 5041 × 28

(6) 7269 × 75

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

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

Read each statement and **write** the information as a **fraction**. *Example:* 3 out of 4 is written as $^3/_4$

(9) Abbey scored 13 out of 20 in a test.

(10) It rained 27 days out of 50 days.

(11) It was sunny 5 days last week.

(12) What fraction of your class are girls?

52

Name: Time taken: Score: L4N1

(1) 267 + 251 =

(2) 914 + 246 =

(3) 785 - 195 =

(4) 587 - 249 =

(5) 3850 × 57

(6) 4172 × 82

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

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

What **fraction** of each group of shapes is shaded?

(9) 

(10) 

(11) 

(12) 

(13) 

(14) 

(15) 

(16) 

53

Name: Time taken: Score: L4N1

(1) 209 + 683 =

(2) 278 + 349 =

(3) 670 - 249 =

(4) 578 - 294 =

(5) 6938 × 75

(6) 5041 × 28

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

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

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

(9) thirty-four point five

(10) nine point zero one seven

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

(11) 9.68

(12) 15.02

(13) 347.5

54

Name: Time taken: Score: L4N1

(1) 473 + 694 =

(2) 753 + 962 =

(3) 941 - 832 =

(4) 706 - 492 =

(5) 7269 × 57

(6) 3850 × 82

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

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

Complete each calculation to create **equivalent fractions**. *Example:* $^1/_2 \times {}^8/_8 = {}^8/_{16}$

(9) $^2/_3 \times {}^4/_4 =$

(10) $^3/_4 \times {}^5/_5 =$

(11) $^1/_3 \times {}^6/_6 =$

(12) $^5/_6 \times {}^3/_3 =$

(13) $^3/_7 \times {}^2/_2 =$

(14) $^7/_9 \times {}^7/_7 =$

(15) $^3/_{10} \times {}^8/_8 =$

(16) $^1/_{15} \times {}^{10}/_{10} =$

55

Name: Time taken: Score: L4N1

(1) 256 + 518 =

(2) 659 + 405 =

(3) 590 - 423 =

(4) 419 - 328 =

(5) 4172 × 75

(6) 6938 × 28

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

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

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 $^2/_{10}$.

(9) 7.**3**

(10) 96.3**8**2

(11) **6**.65

(12) **7**62.9

(13) 3.8**3**

(14) 3.86**3**

(15) 4.**7**5

(16) **9**45.17

56

Name: Time taken: Score: L4N1

(1) 481 + 334 = _____

(2) 369 + 378 = _____

(3) 905 - 234 = _____

(4) 453 - 127 = _____

(5) 1405 × 46 = _____

(6) 9627 × 39 = _____

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

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

(9) **Add** up Miri's shopping list.

$22.45
$16.87
$9.15
$32.62
+ $9.84
_____

(10) If Miri paid for her groceries with five $20.00 notes, how much change would she get back?

- _____

_____

57

Name: Time taken: Score: L4N1

(1) 614 + 119 = _____

(2) 311 + 893 = _____

(3) 691 - 508 = _____

(4) 453 - 127 = _____

(5) 5083 × 64 = _____

(6) 2714 × 93 = _____

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

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

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

(9) 5.23 × 100 = _____

(10) 8.61 × 1000 = _____

(11) 8.47 × 10 = _____

(12) 67.9 × 100 = _____

(13) 0.172 × 1000 = _____

(14) 45.3 ÷ 10 = _____

(15) 986 ÷ 100 = _____

(16) 8610 ÷ 1000 = _____

(17) 43.7 ÷ 10 = _____

(18) 1291 ÷ 100 = _____

58

Name: Time taken: Score: L4N1

(1) 591 + 196 = _____

(2) 529 + 573 = _____

(3) 919 - 780 = _____

(4) 652 - 417 = _____

(5) 8396 × 46 = _____

(6) 1405 × 39 = _____

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

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

Match these **equivalent fractions**.

Example: $^1/_2 = {}^8/_{16}$

(9) $^1/_2$ = _____

(10) $^3/_9$ = _____

(11) $^3/_{12}$ = _____

(12) $^1/_5$ = _____

(13) $^2/_3$ = _____

(14) $^9/_{12}$ = _____

(15) $^4/_{10}$ = _____

(16) $^5/_6$ = _____

Answers:

$^3/_4$ $^1/_4$

$^4/_{20}$ $^3/_6$

$^1/_3$ $^2/_5$

$^8/_{12}$ $^{15}/_{18}$

59

Name: Time taken: Score: L4N1

(1) 759 + 124 = _____

(2) 767 + 297 = _____

(3) 584 - 307 = _____

(4) 526 - 174 = _____

(5) 9627 × 64 = _____

(6) 5083 × 93 = _____

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

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

Prime numbers, multiples & factors

(9) **List** the **prime numbers** between **30** and **40**. _____

(10) **List** the first 5 **multiples** of **4**. _____

(11) **List** the first 5 **multiples** of **9**. _____

(12) **List** the **factors** of **25**. _____

(13) **List** the **factors** of **30**. _____

60

Name: Time taken: Score: L4N1

(1) 340 + 167 = _____

(2) 650 + 672 = _____

(3) 548 - 370 = _____

(4) 950 - 555 = _____

(5) 2714 × 46 = _____

(6) 8396 × 39 = _____

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

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

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

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

(9) _____

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

(10) _____

0.15, 0.13, 0.19, 0.10, 0.16, 0.17, 0.12, 0.14

(11) _____

61

Name: | | Time taken: | Score: | L4N1

(1) 564 + 437 = _____

(2) 978 + 216 = _____

(3) 976 - 477 = _____

(4) 905 - 555 = _____

(5) 2697 × 65 = _____

(6) 8503 × 78 = _____

(7) $2\overline{)1230}$

(8) $9\overline{)5112}$

(9) How much would 7 C.D.'s at $17.95 each cost? _____

(10) How much would 4 kilograms of meat at $8.95 per kilogram cost? _____

(11) If 8 exercise books cost $1.36, what is the cost of one exercise book? _____

62

Name: | | Time taken: | Score: | L4N1

(1) 295 + 760 = _____

(2) 393 + 297 = _____

(3) 967 - 477 = _____

(4) 785 - 188 = _____

(5) 1724 × 56 = _____

(6) 9386 × 87 = _____

(7) $2\overline{)1006}$

(8) $9\overline{)4311}$

Calculate the **squares** of these numbers.

(9) 4^2 _____ (10) 7^2 _____ (11) 12^2 _____

(12) 9^2 _____ (13) 11^2 _____ (14) 8^2 _____

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

(15) $\sqrt{9}$ _____ (16) $\sqrt{36}$ _____ (17) $\sqrt{25}$ _____

(18) $\sqrt{81}$ _____ (19) $\sqrt{100}$ _____ (20) $\sqrt{49}$ _____

63

Name: | | Time taken: | Score: | L4N1

(1) 678 + 128 = _____

(2) 294 + 841 = _____

(3) 842 - 624 = _____

(4) 758 - 188 = _____

(5) 4105 × 65 = _____

(6) 2697 × 78 = _____

(7) $2\overline{)1654}$

(8) $9\overline{)1521}$

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

(9) eight hundred and ninety-one _____

(10) five hundred and thirty-six _____

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

(11) 428 _____

(12) 769 _____

(13) 537 _____

64

Name: | | Time taken: | Score: | L4N1

(1) 382 + 694 = _____

(2) 645 + 509 = _____

(3) 824 - 642 = _____

(4) 744 - 648 = _____

(5) 8503 × 56 = _____

(6) 1724 × 87 = _____

(7) $2\overline{)1360}$

(8) $9\overline{)4275}$

Calculate the change in temperatures.

(9) Starting temperature 2°C, **drops** 7°C. _____

(10) Starting temperature 3°C, **rises** 8°C. _____

(11) Starting temperature 4°C, **drops** 5°C. _____

(12) Starting temperature $^{-}$8°C, **rises** 5°C. _____

(13) Starting temperature $^{-}$2°C, **drops** 5°C. _____

65

Name: | | Time taken: | Score: | L4N1

(1) 142 + 639 = _____

(2) 278 + 483 = _____

(3) 680 - 308 = _____

(4) 644 - 384 = _____

(5) 3986 × 65 = _____

(6) 4015 × 78 = _____

(7) $2\overline{)1158}$

(8) $9\overline{)2637}$

Order of **operations**. BEDMAS

(9) 6 × 4 + 17 = _____

(10) 48 ÷ 4 - 9 = _____

(11) 40 ÷ 8 + 26 = _____

(12) 6 × 9 - 37 = _____

(13) 15 + 36 ÷ 9 = _____

(14) 24 + 10 × 3 = _____

(15) 70 - 7 × 7 = _____

(16) 74 - 56 ÷ 7 = _____

66

Name: Time taken: Score: L4N1

(1) 458 + 571 = _____

(2) 796 + 740 = _____

(3) 893 - 374 = _____

(4) 680 - 308 = _____

(5) 7241 × 29 = _____

(6) 3869 × 36 = _____

(7) $3\overline{)2883}$ = _____

(8) $5\overline{)4360}$ = _____

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

(9) 684 _____ (10) 569 _____ (11) 708 _____

(12) 827 _____ (13) 144 _____ (14) 275 _____

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

(15) 3903 _____ (16) 7646 _____ (17) 6380 _____

(18) 4857 _____ (19) 5275 _____ (20) 1937 _____

67

Name: Time taken: Score: L4N1

(1) 547 + 249 = _____

(2) 749 + 536 = _____

(3) 894 - 755 = _____

(4) 836 - 345 = _____

(5) 1540 × 90 = _____

(6) 6972 × 63 = _____

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

(8) $5\overline{)4300}$ = _____

Multiplying and **dividing decimals**.

(9) 195.3 × 3.8 = _____

(10) 4.286 × 0.56 = _____

(11) $0.6\overline{)17.82}$ = _____

(12) $0.08\overline{)1.424}$ = _____

68

Name: Time taken: Score: L4N1

(1) 275 + 493 = _____

(2) 158 + 775 = _____

(3) 948 - 557 = _____

(4) 491 - 207 = _____

(5) 5038 × 29 = _____

(6) 7241 × 36 = _____

(7) $3\overline{)1176}$ = _____

(8) $5\overline{)3795}$ = _____

Complete each calculation to create **equivalent fractions**. *Example:* $^1/_2 \times {}^8/_8 = {}^8/_{16}$

(9) $^1/_5 \times {}^4/_4 =$ _____ (10) $^1/_7 \times {}^5/_5 =$ _____

(11) $^1/_9 \times {}^6/_6 =$ _____ (12) $^1/_{10} \times {}^3/_3 =$ _____

(13) $^3/_5 \times {}^2/_2 =$ _____ (14) $^3/_4 \times {}^7/_7 =$ _____

(15) $^2/_9 \times {}^8/_8 =$ _____ (16) $^4/_5 \times {}^{10}/_{10} =$ _____

69

Name: Time taken: Score: L4N1

(1) 263 + 109 = _____

(2) 630 + 598 = _____

(3) 833 - 515 = _____

(4) 419 - 270 = _____

(5) 3869 × 92 = _____

(6) 1405 × 60 = _____

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

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

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

4,6, 4.0, 4.1, 4.3, 4.8, 4.7, 4.2, 4.9, 4.5, 4.4

(9) _____

6.6, 6.4, 6.9, 6.1, 6.0, 6.8, 6.7, 6.2, 6.3, 6.5

(10) _____

3.16, 3.17, 3.10, 3.12, 3.19, 3.17, 3.11, 3.13

(11) _____

70

Name: Time taken: Score: L4N1

(1) 184 + 551 = _____

(2) 539 + 806 = _____

(3) 638 - 155 = _____

(4) 967 - 828 = _____

(5) 2697 × 29 = _____

(6) 5830 × 36 = _____

(7) $3\overline{)2922}$ = _____

(8) $5\overline{)2650}$ = _____

(9) **Add** up Katie's shopping list.

$9.75
$35.87
$7.25
$23.67
+ $9.85
_____

(10) If Katie paid for her groceries with five $20.00 notes, how much change would she get back?

_____
-
_____

71

Name: Time taken: Score: L4N1

(1) 527 + 303 =

(2) 478 + 197 =

(3) 841 - 409 =

(4) 679 - 288 =

(5) 2697 × 89

(6) 3085 × 47

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

(8) $4\overline{)1400}$

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 $^{2}/_{10}$.

(9) 8.**9**

(10) 47.5**2**9

(11) **8**.48

(12) **7**60.7

(13) 5.0**3**

(14) 3.34**5**

(15) 3.**7**2

(16) **6**24.95

72

Name: Time taken: Score: L4N1

(1) 251 + 485 =

(2) 141 + 971 =

(3) 814 - 490 =

(4) 873 - 409 =

(5) 1742 × 98

(6) 3968 × 74

(7) $6\overline{)1014}$

(8) $4\overline{)2912}$

Prime numbers, multiples & factors

(9) **List** the **prime numbers** between **35** and **45**.

(10) **List** the first 5 **multiples** of **3**.

(11) **List** the first 5 **multiples** of **10**.

(12) **List** the **factors** of **28**.

(13) **List** the **factors** of **33**.

73

Name: Time taken: Score: L4N1

(1) 198 + 109 =

(2) 988 + 115 =

(3) 645 - 107 =

(4) 837 - 185 =

(5) 1054 × 89

(6) 2769 × 47

(7) $6\overline{)4524}$

(8) $4\overline{)3440}$

Match these **equivalent fractions**.

Example: $^{1}/_{2} = {}^{8}/_{16}$

(9) $^{1}/_{2}$ =

(10) $^{16}/_{24}$ =

(11) $^{5}/_{15}$ =

(12) $^{5}/_{6}$ =

(13) $^{3}/_{4}$ =

(14) $^{9}/_{15}$ =

(15) $^{6}/_{24}$ =

(16) $^{7}/_{10}$ =

Answers:

$^{1}/_{3}$ $^{12}/_{16}$

$^{3}/_{5}$ $^{7}/_{14}$

$^{21}/_{30}$ $^{1}/_{4}$

$^{10}/_{12}$ $^{2}/_{3}$

74

Name: Time taken: Score: L4N1

(1) 191 + 518 =

(2) 149 + 682 =

(3) 992 - 345 =

(4) 654 - 170 =

(5) 3580 × 98

(6) 2471 × 74

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

(8) $4\overline{)2316}$

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

(9) 2.34 × 100 =

(10) 0.217 × 1000 =

(11) 1.74 × 10 =

(12) 3.64 × 100 =

(13) 1.581 × 1000 =

(14) 48.9 ÷ 10 =

(15) 97.3 ÷ 100 =

(16) 1120 ÷ 1000 =

(17) 483.1 ÷ 10 =

(18) 56.9 ÷ 100 =

75

Name: Time taken: Score: L4N1

(1) 761 + 229 =

(2) 624 + 419 =

(3) 872 - 173 =

(4) 992 - 345 =

(5) 3896 × 89

(6) 4510 × 47

(7) $6\overline{)3516}$

(8) $4\overline{)2064}$

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

(9) 186 + 738 ____ + ____ = ____

(10) 4638 - 479 ____ - ____ = ____

(11) 9075 × 39 ____ × ____ = ____

(12) 3625 ÷ 6 ____ ÷ ____ = ____

76

Name: Time taken: Score: L4N1

(1) 393 + 486 =

(2) 562 + 975 =

(3) 827 - 137 =

(4) 930 - 227 =

(5) 6938 × 28

(6) 4712 × 75

(7) $8\overline{)1352}$

(8) $7\overline{)1946}$

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

(9) two hundred & sixty point four

(10) one point three nine five

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

(11) 450.9

(12) 1.726

(13) 28.34

77

Name: Time taken: Score: L4N1

(1) 306 + 527 =

(2) 708 + 594 =

(3) 783 - 536 =

(4) 903 - 272 =

(5) 3850 × 82

(6) 7629 × 57

(7) $8\overline{)3800}$

(8) $7\overline{)4256}$

Calculate the change in temperatures.

(9) Starting temperature 6°C, **rises** 5°C.

(10) Starting temperature 7°C, **drops** 9°C.

(11) Starting temperature 8°C, **rises** 3°C.

(12) Starting temperature $^{-}$9°C, **rises** 7°C.

(13) Starting temperature $^{-}$1°C, **drops** 8°C.

78

Name: Time taken: Score: L4N1

(1) 182 + 425 =

(2) 369 + 378 =

(3) 680 - 161 =

(4) 737 - 565 =

(5) 5041 × 28

(6) 6983 × 75

(7) $8\overline{)2344}$

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

Calculate the **squares** of these numbers.

(9) 6^2 (10) 12^2 (11) 7^2

(12) 4^2 (13) 8^2 (14) 10^2

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

(15) $\sqrt{9}$ (16) $\sqrt{100}$ (17) $\sqrt{25}$

(18) $\sqrt{81}$ (19) $\sqrt{64}$ (20) $\sqrt{121}$

79

Name: Time taken: Score: L4N1

(1) 143 + 728 =

(2) 311 + 893 =

(3) 856 - 268 =

(4) 806 - 511 =

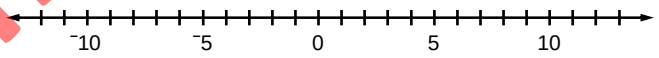
(5) 4172 × 80

(6) 3850 × 57

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

(8) $7\overline{)3927}$

Add these positive and negative numbers



(9) 6 + 5 =

(10) $^{-}$12 + 9 =

(11) 8 + 4 =

(12) 11 + $^{-}$7 =

(13) $^{-}$9 + 7 =

(14) 7 + 6 =

(15) 8 + $^{-}$6 =

(16) $^{-}$7 + $^{-}$3 =

80

Name: Time taken: Score: L4N1

(1) 180 + 345 =

(2) 768 + 329 =

(3) 865 - 195 =

(4) 766 - 439 =

(5) 7269 × 28

(6) 5401 × 75

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

(8) $7\overline{)3710}$

(9) How much would 9 C.D.'s at $21.65 each cost?

(10) How much would 4 kilograms of meat at $15.75 per kilogram cost?

(11) If 7 exercise books cost $10.15, what is the cost of one exercise book?

81

Name: Time taken: Score: L4N1

(1) 628 + 337 =

(2) 376 + 469 =

(3) 380 - 154 =

(4) 766 - 493 =

(5) 1405 × 46

(6) 2967 × 39

(7) $2\overline{)1276}$

(8) $6\overline{)4314}$

Finding a percentage of a quantity. %

(9) 10% of 80 =

(10) 10% of 90 =

(11) 50% of 12 =

(12) 25% of 20 =

(13) 10% of 120 =

(14) 10% of 170 =

(15) 50% of 240 =

(16) 25% of 160 =

82

Name: Time taken: Score: L4N1

(1) 352 + 356 =

(2) 471 + 878 =

(3) 837 - 185 =

(4) 761 - 636 =

(5) 3085 × 64

(6) 1274 × 93

(7) $2\overline{)1092}$

(8) $6\overline{)3420}$

Finding a fraction of a quantity.

(9) $^1/_4$ of 48 =

(10) $^1/_8$ of 64 =

(11) $^1/_7$ of 56 =

(12) $^1/_{10}$ of 90 =

(13) $^1/_7$ of 210 =

(14) $^1/_4$ of 240 =

(15) $^1/_{10}$ of 170 =

(16) $^1/_8$ of 320 =

83

Name: Time taken: Score: L4N1

(1) 209 + 632 =

(2) 908 + 173 =

(3) 952 - 648 =

(4) 717 - 666 =

(5) 3986 × 46

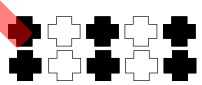
(6) 4150 × 39

(7) $2\overline{)1704}$

(8) $6\overline{)3702}$

What **fraction** of each group of shapes is shaded?

(9) 

(10) 

(11) 

(12) 

(13) 

(14) 

(15) 

(16) 

84

Name: Time taken: Score: L4N1

(1) 383 + 251 =

(2) 463 + 287 =

(3) 952 - 648 =

(4) 363 - 269 =

(5) 3508 × 64

(6) 2471 × 93

(7) $2\overline{)1908}$

(8) $6\overline{)3954}$

(9) **Add** up Blair's shopping list.

$17.65
$25.37
$16.15
$7.64
+ $15.45

(10) If Blair paid for his groceries with five $20.00 notes, how much change would he get back?

85

Name: Time taken: Score: L4N1

(1) 584 + 108 =

(2) 580 + 984 =

(3) 951 - 305 =

(4) 594 - 186 =

(5) 3869 × 46

(6) 4105 × 39

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

(8) $6\overline{)4680}$

Read each statement and **write** the information as a **fraction**. *Example:* 3 out of 4 is written as $^3/_4$

(9) Abbey scored 17 out of 25 in a test.

(10) It rained 25 days out of 30 days.

(11) It was sunny 6 days last week.

(12) What fraction of your class are boys?

86

Name: Time taken: Score: L4N1

(1) 361 + 597 =

(2) 833 + 259 =

(3) 636 - 296 =

(4) 642 - 546 =

(5) 6927 × 65

(6) 8035 × 78

(7) $4\overline{)2184}$

(8) $9\overline{)5130}$

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

7.3, 7.6, 7.1, 7.2, 7.7, 7.9, 7.4, 7.5, 7.8, 7.0

(9)

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

(10)

4.13, 4.18, 4.17, 4.16, 4.12, 4.15, 4.19, 4.10

(11)

87

Name: Time taken: Score: L4N1

(1) 145 + 259 =

(2) 767 + 297 =

(3) 758 - 159 =

(4) 915 - 350 =

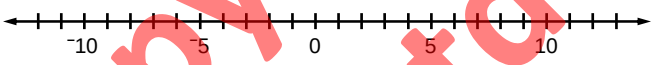
(5) 7142 × 65

(6) 3986 × 87

(7) $4\overline{)2328}$

(8) $9\overline{)1584}$

Add these positive and negative numbers



(9) 5 + 7 =

(10) −8 + 6 =

(11) 4 + 9 =

(12) 5 + −7 =

(13) −2 + 3 =

(14) 8 + 3 =

(15) 6 + −4 =

(16) −2 + −4 =

88

Name: Time taken: Score: L4N1

(1) 492 + 282 =

(2) 650 + 672 =

(3) 945 - 861 =

(4) 982 - 689 =

(5) 1450 × 56

(6) 2967 × 78

(7) $4\overline{)1980}$

(8) $9\overline{)5364}$

Match these **equivalent fractions**.

Example: $^1/_2 = {}^8/_{16}$

(9) $^5/_6$ =

(10) $^{28}/_{40}$ =

(11) $^5/_{20}$ =

(12) $^2/_3$ =

(13) $^2/_7$ =

(14) $^{20}/_{25}$ =

(15) $^{12}/_{18}$ =

(16) $^3/_5$ =

Answers:

$^1/_4$ $^{15}/_{18}$ $^{16}/_{24}$ $^2/_3$ $^7/_{10}$ $^6/_{21}$ $^{12}/_{20}$ $^4/_5$

89

Name: Time taken: Score: L4N1

(1) 436 + 246 =

(2) 904 + 836 =

(3) 964 - 749 =

(4) 724 - 364 =

(5) 5803 × 65

(6) 7124 × 87

(7) $4\overline{)1316}$

(8) $9\overline{)6372}$

Prime numbers, multiples & factors

(9) **List** the **prime numbers** between **50** and **60**.

(10) **List** the first 5 **multiples** of **4**.

(11) **List** the first 5 **multiples** of **5**.

(12) **List** the **factors** of **32**.

(13) **List** the **factors** of **40**.

90

Name: Time taken: Score: L4N1

(1) 270 + 586 =

(2) 689 + 167 =

(3) 785 - 195 =

(4) 795 - 299 =

(5) 3986 × 56

(6) 1540 × 78

(7) $4\overline{)2732}$

(8) $9\overline{)1773}$

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 $^2/_{10}$.

(9) 2.**5**

(10) 65.7**3**1

(11) **8**.78

(12) 82**0**.9

(13) 3.0**7**

(14) 8.75**3**

(15) 9.**2**4

(16) **9**78.25

91

Name: | | Time taken: | Score: | L4N1

(1) 207 + 696 = _____

(2) 762 + 486 = _____

(3) 480 - 376 = _____

(4) 928 - 698 = _____

(5) 7124 × 29 = _____

(6) 3896 × 36 = _____

(7) $7\overline{)1995}$

(8) $5\overline{)3355}$

(9) How much would 6 C.D.'s at $33.95 each cost? _____

(10) How much would 3 kilograms of meat at $11.95 per kilogram cost? _____

(11) If 9 exercise books cost $7.83, what is the cost of one exercise book? _____

92

Name: | | Time taken: | Score: | L4N1

(1) 282 + 367 = _____

(2) 915 + 456 = _____

(3) 946 - 794 = _____

(4) 491 - 196 = _____

(5) 4150 × 92 = _____

(6) 6972 × 63 = _____

(7) $7\overline{)3213}$

(8) $5\overline{)2980}$

Order of **operations**.

(9) 4 × 5 + 17 = _____

(10) 15 ÷ 3 - 4 = _____

(11) 36 ÷ 6 + 9 = _____

(12) 7 × 8 - 39 = _____

(13) 19 + 24 ÷ 6 = _____

(14) 27 + 9 × 7 = _____

(15) 42 - 3 × 9 = _____

(16) 50 - 27 ÷ 9 = _____

93

Name: | | Time taken: | Score: | L4N1

(1) 413 + 437 = _____

(2) 548 + 272 = _____

(3) 975 - 126 = _____

(4) 759 - 299 = _____

(5) 5038 × 29 = _____

(6) 1472 × 36 = _____

(7) $7\overline{)2051}$

(8) $5\overline{)4035}$

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

(9) seven point five three two _____

(10) twenty-nine point four zero six _____

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

(11) 6.018 _____

(12) 254.7 _____

(13) 0.039 _____

94

Name: | | Time taken: | Score: | L4N1

(1) 164 + 640 = _____

(2) 662 + 866 = _____

(3) 408 - 367 = _____

(4) 780 - 622 = _____

(5) 3896 × 92 = _____

(6) 4510 × 63 = _____

(7) $7\overline{)2702}$

(8) $5\overline{)4585}$

Convert these **fractions** to **decimals**.

Example: $^1/_2 = 0.5$

(9) $^1/_2$ = _____

(10) $^1/_4$ = _____

(11) $^1/_3$ = _____

(12) $^1/_5$ = _____

(13) $^2/_3$ = _____

(14) $^3/_4$ = _____

(15) $^2/_5$ = _____

(16) $^1/_{10}$ = _____

Answers

0.2 0.1

0.5 0.33·

0.75 0.25

0.66· 0.4

95

Name: | | Time taken: | Score: | L4N1

(1) 657 + 234 = _____

(2) 918 + 927 = _____

(3) 791 - 314 = _____

(4) 759 - 261 = _____

(5) 2697 × 29 = _____

(6) 5083 × 36 = _____

(7) $7\overline{)4515}$

(8) $5\overline{)3750}$

Calculate the **squares** of these numbers.

(9) 9^2 _____

(10) 12^2 _____

(11) 5^2 _____

(12) 4^2 _____

(13) 7^2 _____

(14) 8^2 _____

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

(15) $\sqrt{9}$ _____

(16) $\sqrt{100}$ _____

(17) $\sqrt{81}$ _____

(18) $\sqrt{121}$ _____

(19) $\sqrt{36}$ _____

(20) $\sqrt{25}$ _____

96

Name: Time taken: Score: L4N1

(1) 395 + 494 =

(2) 283 + 388 =

(3) 807 - 226 =

(4) 587 - 249 =

(5) 5041 × 89

(6) 7296 × 47

(7) $3\overline{)2769}$

(8) $8\overline{)6960}$

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

(9) 12.8 × 100 =

(10) 4.812 × 1000 =

(11) 3.95 × 10 =

(12) 45.9 × 100 =

(13) 1.561 × 1000 =

(14) 78.9 ÷ 10 =

(15) 456 ÷ 100 =

(16) 1341 ÷ 1000 =

(17) 86.3 ÷ 10 =

(18) 45.8 ÷ 100 =

97

Name: Time taken: Score: L4N1

(1) 837 + 127 =

(2) 427 + 986 =

(3) 670 - 249 =

(4) 916 - 145 =

(5) 3850 × 98

(6) 4172 × 74

(7) $3\overline{)2862}$

(8) $8\overline{)4768}$

Multiplying and **dividing decimals**.

(9) 394.2 × 2.9

(10) 5.817 × 0.47

(11) $0.5\overline{)24.25}$

(12) $0.09\overline{)1.701}$

98

Name: Time taken: Score: L4N1

(1) 558 + 261 =

(2) 914 + 246 =

(3) 578 - 294 =

(4) 941 - 832 =

(5) 6938 × 89

(6) 4501 × 47

(7) $3\overline{)2556}$

(8) $8\overline{)1408}$

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

(9) 591 + 216 = ____ + ____ = ____

(10) 2974 - 622 = ____ - ____ = ____

(11) 1395 × 53 = ____ × ____ = ____

(12) 2099 ÷ 7 = ____ ÷ ____ = ____

99

Name: Time taken: Score: L4N1

(1) 372 + 308 =

(2) 697 + 136 =

(3) 590 - 423 =

(4) 706 - 492 =

(5) 2679 × 98

(6) 3580 × 74

(7) $3\overline{)1962}$

(8) $8\overline{)4560}$

(9) **Add** up Rangi's shopping list.

$27.35
$15.63
$4.95
$32.25
+ $7.85

(10) If Rangi paid for his groceries with five $20.00 notes, how much change would he get back?

____
- ____
____

100

Name: Time taken: Score: L4N1

(1) 193 + 873 =

(2) 782 + 767 =

(3) 419 - 328 =

(4) 453 - 127 =

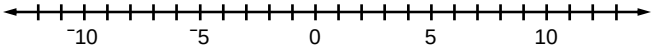
(5) 1742 × 89

(6) 3698 × 47

(7) $3\overline{)2508}$

(8) $8\overline{)5752}$

Add these positive and negative numbers



(9) 9 + 3 =

(10) −4 + 9 =

(11) 4 + 7 =

(12) 10 + −3 =

(13) −7 + 5 =

(14) 6 + 5 =

(15) 8 + −3 =

(16) −5 + −2 =

101

Name: | | Time taken: | Score: | L4N1

(1) 149 + 975 = _____

(2) 471 + 879 = _____

(3) 810 - 695 = _____

(4) 645 - 498 = _____

(5) 1593 × 28 = _____

(6) 7062 × 46 = _____

(7) $4\overline{)3344}$

(8) $5\overline{)2730}$

Convert these **decimals** to **fractions**.

Example: 0.5 = $^1/_2$

(9) 0.5 = _____

(10) 0.1 = _____

(11) 0.25 = _____

(12) 0.75 = _____

(13) $0.33\dot{3}$ = _____

(14) $0.6\dot{6}$ = _____

(15) 0.4 = _____

(16) 0.7 = _____

Answers

$^2/_5$ $^3/_4$ $^2/_3$ $^1/_2$ $^1/_3$ $^7/_{10}$ $^1/_4$ $^1/_{10}$

102

Name: | | Time taken: | Score: | L4N1

(1) 856 + 397 = _____

(2) 586 + 985 = _____

(3) 976 - 599 = _____

(4) 812 - 538 = _____

(5) 4915 × 75 = _____

(6) 9370 × 39 = _____

(7) $3\overline{)2556}$

(8) $6\overline{)5670}$

Finding a **fraction** of a **quantity**.

(9) $^1/_2$ of 7.8 = _____

(10) $^1/_3$ of 1.2 = _____

(11) $^1/_4$ of 9.6 = _____

(12) $^1/_5$ of 6.5 = _____

(13) $^1/_2$ of 14.6 = _____

(14) $^1/_4$ of 4.84 = _____

(15) $^1/_3$ of 3.69 = _____

(16) $^1/_5$ of 35.5 = _____

103

Name: | | Time taken: | Score: | L4N1

(1) 317 + 894 = _____

(2) 965 + 367 = _____

(3) 741 - 478 = _____

(4) 805 - 347 = _____

(5) 6249 × 29 = _____

(6) 5193 × 47 = _____

(7) $2\overline{)1846}$

(8) $8\overline{)5752}$

Prime numbers, multiples & factors

(9) **List** the **prime numbers** between **45** and **55**. _____

(10) **List** the first 5 **multiples** of **6**. _____

(11) **List** the first 5 **multiples** of **9**. _____

(12) **List** the **factors** of **36**. _____

(13) **List** the **factors** of **42**. _____

104

Name: | | Time taken: | Score: | L4N1

(1) 578 + 597 = _____

(2) 764 + 696 = _____

(3) 812 - 443 = _____

(4) 720 - 389 = _____

(5) 6072 × 65 = _____

(6) 1954 × 78 = _____

(7) $7\overline{)5250}$

(8) $9\overline{)6039}$

Match these **equivalent fractions**.

Example: $^1/_2 = {}^8/_{16}$

(9) $^1/_2$ = _____

(10) $^{10}/_{15}$ = _____

(11) $^9/_{27}$ = _____

(12) $^7/_{10}$ = _____

(13) $^3/_5$ = _____

(14) $^{12}/_{48}$ = _____

(15) $^{20}/_{25}$ = _____

(16) $^3/_4$ = _____

Answers:

$^2/_3$ $^5/_{10}$ $^{21}/_{28}$ $^1/_3$ $^{12}/_{20}$ $^1/_4$ $^4/_5$ $^{21}/_{30}$

105

Name: | | Time taken: | Score: | L4N1

(1) 849 + 382 = _____

(2) 634 + 879 = _____

(3) 640 - 456 = _____

(4) 931 - 587 = _____

(5) 7093 × 36 = _____

(6) 2496 × 89 = _____

(7) $6\overline{)5736}$

(8) $8\overline{)6240}$

Multiplying and **dividing** by **powers of 10**.

(9) 1.9×10^2 = _____

(10) 9.3×10^3 = _____

(11) $3.4 \div 10^3$ = _____

(12) $7.5 \div 10^2$ = _____

(13) 9.2×10^4 = _____

(14) 4.7×10^6 = _____

(15) $5.3 \div 10^5$ = _____

106

Name: Time taken: Score: L4N1

(1) 269 + 978 =

(2) 672 + 978 =

(3) 684 - 396 =

(4) 702 - 187 =

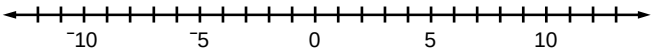
(5) 7602 × 82

(6) 1594 × 64

(7) $5\overline{)3415}$

(8) $9\overline{)4104}$

Add these positive and negative numbers



(9) 5 + 8 =

(10) ⁻3 + 6 =

(11) 7 + 6 =

(12) 7 + ⁻5 =

(13) ⁻4 + 7 =

(14) 9 + 2 =

(15) 5 + ⁻9 =

(16) ⁻3 + ⁻4 =

107

Name: Time taken: Score: L4N1

(1) 837 + 296 =

(2) 949 + 861 =

(3) 551 - 276 =

(4) 806 - 117 =

(5) 3970 × 57

(6) 2496 × 93

(7) $4\overline{)3300}$

(8) $7\overline{)4158}$

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

(9) fifty-four point three nine two

(10) six hundred & seven point four five

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

(11) 907.3

(12) 1.608

(13) 45.26

108

Name: Time taken: Score: L4N1

(1) 853 + 488 =

(2) 957 + 358 =

(3) 467 - 168 =

(4) 962 - 386 =

(5) 1935 × 92

(6) 6207 × 72

(7) $9\overline{)8388}$

(8) $2\overline{)1942}$

Convert these **fractions** to **decimals**.

Example: $^1/_2 = 0.5$

(9) $^1/_3$ =

(10) $^2/_3$ =

(11) $^1/_{10}$ =

(12) $^3/_4$ =

(13) $^1/_4$ =

(14) $^2/_5$ =

(15) $^1/_5$ =

(16) $^1/_2$ =

Answers

0.2 0.1

0.5 0.33·

0.75 0.25

0.66· 0.4

109

Name: Time taken: Score: L4N1

(1) 596 + 538 =

(2) 598 + 926 =

(3) 620 - 153 =

(4) 763 - 396 =

(5) 1945 × 56

(6) 3709 × 87

(7) $3\overline{)2115}$

(8) $7\overline{)5012}$

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

(10) How much would 2 kilograms of meat at $15.95 per kilogram cost?

(11) If 6 exercise books cost $5.82, what is the cost of one exercise book?

110

Name: Time taken: Score: L4N1

(1) 985 + 157 =

(2) 764 + 949 =

(3) 761 - 579 =

(4) 734 - 497 =

(5) 2496 × 63

(6) 1593 × 98

(7) $8\overline{)4552}$

(8) $6\overline{)4248}$

Finding a **percentage** of a **quantity**. %

(9) 10% of 40 =

(10) 10% of 37 =

(11) 25% of 48 =

(12) $33\frac{1}{3}$% of 30 =

(13) 10% of 240 =

(14) 50% of 275 =

(15) 20% of 150 =

(16) 25% of 280 =

111

Name: | | Time taken: | Score: | L4N1

(1) 976 + 748 =

(2) 667 + 868 =

(3) 704 - 528 =

(4) 420 - 137 =

(5) 4915 × 28

(6) 3970 × 46

(7) $4\overline{)2184}$

(8) $5\overline{)4260}$

(9) **Add** up Kate's shopping list.

$37.95
$25.87
$16.95
$27.64
+ $9.65

(10) If Kate paid for her groceries with six $20.00 notes, how much change would she get back?

112

Name: | | Time taken: | Score: | L4N1

(1) 786 + 769 =

(2) 842 + 998 =

(3) 321 - 192 =

(4) 903 - 698 =

(5) 6249 × 75

(6) 1953 × 39

(7) $3\overline{)2835}$

(8) $6\overline{)5592}$

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 $^{2}/_{10}$.

(9) 3.**4**

(10) 96.**7**35

(11) **6**.78

(12) **7**20.9

(13) 9.0**7**

(14) 6.14**9**

(15) 3.**8**2

(16) **7**14.08

113

Name: | | Time taken: | Score: | L4N1

(1) 298 + 848 =

(2) 792 + 748 =

(3) 853 - 497 =

(4) 416 - 289 =

(5) 6072 × 29

(6) 1945 × 47

(7) $2\overline{)1942}$

(8) $8\overline{)5640}$

Order of **operations**. BEDMAS

(9) 8 × 7 + 25 =

(10) 45 ÷ 5 - 7 =

(11) 36 ÷ 4 + 13 =

(12) 6 × 9 - 29 =

(13) 19 + 30 ÷ 2 =

(14) 23 + 9 × 9 =

(15) 83 - 9 × 8 =

(16) 75 - 63 ÷ 7 =

114

Name: | | Time taken: | Score: | L4N1

(1) 895 + 676 =

(2) 488 + 726 =

(3) 825 - 546 =

(4) 540 - 161 =

(5) 2790 × 65

(6) 6249 × 78

(7) $7\overline{)4697}$

(8) $9\overline{)5364}$

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

8.3, 8.4, 8.9, 8.0, 8.1, 8.5, 8.6, 8.7, 8.2, 8.8

(9)

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

(10)

1.03, 1.07, 1.09, 1.04, 1.02, 1.08, 1.01, 1.05

(11)

115

Name: | | Time taken: | Score: | L4N1

(1) 979 + 368 =

(2) 783 + 588 =

(3) 953 - 484 =

(4) 836 - 378 =

(5) 1593 × 36

(6) 7062 × 89

(7) $6\overline{)4680}$

(8) $8\overline{)5104}$

Convert these **decimals** to **fractions**.

Example: 0.5 = $^{1}/_{2}$

(9) 0.25 =

(10) 0.5 =

(11) 0.4 =

(12) 0.7 =

(13) 0.75 =

(14) $0.66\dot{6}$ =

(15) $0.3\dot{3}$ =

(16) 0.1 =

Answers

$^{2}/_{5}$ $^{3}/_{4}$
$^{2}/_{3}$ $^{1}/_{2}$
$^{1}/_{3}$ $^{7}/_{10}$
$^{1}/_{4}$ $^{1}/_{10}$

116

Name: Time taken: Score: L4N1

(1) 936 + 974 =

(2) 578 + 883 =

(3) 953 - 484 =

(4) 836 - 378 =

(5) 3790 × 82

(6) 2649 × 64

(7) $5\overline{)3270}$

(8) $9\overline{)7425}$

Prime numbers, multiples & factors

(9) **List** the **prime numbers** between **60** and **70**.

(10) **List** the first 5 **multiples** of **6**.

(11) **List** the first 5 **multiples** of **7**.

(12) **List** the **factors** of **45**.

(13) **List** the **factors** of **48**.

117

Name: Time taken: Score: L4N1

(1) 695 + 746 =

(2) 978 + 947 =

(3) 910 - 478 =

(4) 623 - 365 =

(5) 1539 × 57

(6) 2607 × 93

(7) $4\overline{)3816}$

(8) $7\overline{)2744}$

Convert these **decimals** to **percentages**.

Example: 0.5 = 50%

(9) 0.5 =

(10) 0.95 =

(11) 0.75 =

(12) 0.15 =

(13) 0.6 =

(14) 0.25 =

(15) 0.45 =

(16) 0.4 =

Answers

15% 25%

45% 50%

60% 40%

95% 75%

118

Name: Time taken: Score: L4N1

(1) 892 + 779 =

(2) 794 + 326 =

(3) 915 - 759 =

(4) 602 - 275 =

(5) 1954 × 92

(6) 3709 × 74

(7) $9\overline{)7119}$

(8) $2\overline{)1410}$

(9) **Add** up Rangi's shopping list.

$34.25
$15.45
$26.60
$7.95
+ $18.45

(10) If Rangi paid for his groceries with six$20.00 notes, how much change would he get back?

119

Name: Time taken: Score: L4N1

(1) 654 + 598 =

(2) 979 + 956 =

(3) 951 - 164 =

(4) 830 - 652 =

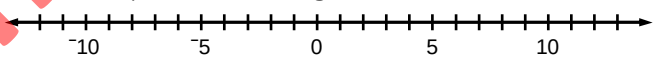
(5) 2649 × 56

(6) 3159 × 87

(7) $3\overline{)2283}$

(8) $7\overline{)6755}$

Add these positive and negative numbers



(9) 5 + 6 =

(10) −7 + 7 =

(11) 8 + 5 =

(12) 9 + −8 =

(13) −9 + 5 =

(14) 2 + 9 =

(15) 6 + −4 =

(16) −2 + −7 =

120

Name: Time taken: Score: L4N1

(1) 678 + 654 =

(2) 878 + 539 =

(3) 902 - 739 =

(4) 918 - 429 =

(5) 2706 × 63

(6) 1594 × 98

(7) $8\overline{)6960}$

(8) $6\overline{)5016}$

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

(9) 623 + 867 ____ + ____ = ____

(10) 6175 - 716 ____ - ____ = ____

(11) 9431 × 29 ____ × ____ = ____

(12) 4514 ÷ 9 ____ ÷ ____ = ____

121

Name: | | Time taken: | Score: | L4N1

(1) 298 + 954 = _____

(2) 753 + 967 = _____

(3) 941 - 383 = _____

(4) 774 - 289 = _____

(5) 6249 × 28 = _____

(6) 1593 × 46 = _____

(7) $4\overline{)3300}$

(8) $5\overline{)4770}$

Multiplying and **dividing** by **powers of 10.**

(9) $6.3 \times 10^3 =$ _____

(10) $8.2 \times 10^2 =$ _____

(11) $1.9 \div 10^2 =$ _____

(12) $7.4 \div 10^3 =$ _____

(13) $2.8 \times 10^6 =$ _____

(14) $1.6 \times 10^4 =$ _____

(15) $7.3 \div 10^5 =$ _____

122

Name: | | Time taken: | Score: | L4N1

(1) 637 + 597 = _____

(2) 487 + 753 = _____

(3) 502 - 354 = _____

(4) 530 - 264 = _____

(5) 6270 × 75 = _____

(6) 1914 × 39 = _____

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

(8) $6\overline{)4314}$

(9) How much would 8 C.D.'s at $17.95 each cost? _____

(10) How much would 4 kilograms of meat at $9.85 per kilogram cost? _____

(11) If 5 exercise books cost $6.25, what is the cost of one exercise book? _____

123

Name: | | Time taken: | Score: | L4N1

(1) 789 + 494 = _____

(2) 958 + 275 = _____

(3) 814 - 319 = _____

(4) 814 - 265 = _____

(5) 3970 × 29 = _____

(6) 2496 × 47 = _____

(7) $2\overline{)1500}$

(8) $8\overline{)5728}$

Convert these **fractions** to **decimals.**

Example: $^1/_2 = 0.5$

(9) $^1/_5 =$ _____

(10) $^1/_3 =$ _____

(11) $^2/_3 =$ _____

(12) $^2/_5 =$ _____

(13) $^1/_{10} =$ _____

(14) $^1/_2 =$ _____

(15) $^1/_4 =$ _____

(16) $^3/_4 =$ _____

Answers

0.2 0.1

0.5 0.33·

0.75 0.25

0.66· 0.4

124

Name: | | Time taken: | Score: | L4N1

(1) 598 + 862 = _____

(2) 989 + 136 = _____

(3) 976 - 599 = _____

(4) 741 - 478 = _____

(5) 4159 × 36 = _____

(6) 3970 × 89 = _____

(7) $6\overline{)5178}$

(8) $8\overline{)5232}$

Read each statement and **write** the information as a **fraction.** *Example:* 3 out of 4 is written as $^3/_4$

(9) Abbey scored 23 out of 30 in a test. _____

(10) It rained 15 days out of 60 days. _____

(11) It was sunny 3 days last week. _____

(12) What fraction of your class are males? _____

125

Name: | | Time taken: | Score: | L4N1

(1) 787 + 935 = _____

(2) 693 + 459 = _____

(3) 927 - 279 = _____

(4) 810 - 695 = _____

(5) 1359 × 65 = _____

(6) 6702 × 78 = _____

(7) $7\overline{)6755}$

(8) $9\overline{)7020}$

Convert these **percentages** to **decimals.**

Example: 50% = 0.5

(9) 60% = _____

(10) 40% = _____

(11) 85% = _____

(12) 50% = _____

(13) 47% = _____

(14) 75% = _____

(15) 25% = _____

(16) 5% = _____

Answers

0.05 0.75

0.47 0.5

0.6 0.25

0.85 0.4

126

Name: | | Time taken: | Score: | L4N1

(1) 149 + 975 =

(2) 856 + 397 =

(3) 812 - 443 =

(4) 741 - 478 =

(5) 2750 × 28

(6) 9316 × 46

(7) $5\overline{)4125}$

(8) $9\overline{)4941}$

Finding a fraction of a quantity.

(9) $^1/_4$ of 3.2 =

(10) $^1/_6$ of 72 =

(11) $^1/_7$ of 8.4 =

(12) $^1/_{10}$ of 85 =

(13) $^1/_6$ of 18.6 =

(14) $^1/_7$ of 2.24 =

(15) $^1/_{10}$ of 6.50 =

(16) $^1/_4$ of 6.52 =

127

Name: | | Time taken: | Score: | L4N1

(1) 317 + 894 =

(2) 578 + 597 =

(3) 812 - 443 =

(4) 640 - 456 =

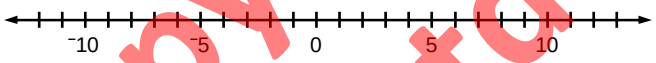
(5) 4827 × 75

(6) 5039 × 93

(7) $4\overline{)3728}$

(8) $7\overline{)6419}$

Add these positive and negative numbers



(9) 3 + 8 =

(10) −7 + 9 =

(11) 6 + 6 =

(12) 4 + −6 =

(13) −1 + 9 =

(14) 9 + 4 =

(15) 5 + −8 =

(16) −7 + −3 =

128

Name: | | Time taken: | Score: | L4N1

(1) 849 + 382 =

(2) 269 + 978 =

(3) 684 - 396 =

(4) 551 - 276 =

(5) 1648 × 29

(6) 2570 × 47

(7) $9\overline{)6345}$

(8) $2\overline{)1432}$

Convert these decimals to fractions.

Example: 0.5 = $^1/_2$

(9) 0.1 =

(10) 0.66· =

(11) 0.75 =

(12) 0.7 =

(13) 0.33· =

(14) 0.4 =

(15) 0.5 =

(16) 0.25 =

Answers

$^2/_5$ $^3/_4$

$^2/_3$ $^1/_2$

$^1/_3$ $^7/_{10}$

$^1/_4$ $^1/_{10}$

129

Name: | | Time taken: | Score: | L4N1

(1) 837 + 296 =

(2) 853 + 488 =

(3) 551 - 276 =

(4) 467 - 168 =

(5) 1693 × 65

(6) 2748 × 78

(7) $3\overline{)2895}$

(8) $7\overline{)6090}$

Finding a percentage of a quantity. %

(9) 10% of 85 =

(10) 50% of 96 =

(11) $33\frac{1}{3}$% of 60 =

(12) 25% of 84 =

(13) 10% of 52.6 =

(14) 25% of 24.8 =

(15) 50% of 125 =

(16) 20% of 160 =

130

Name: | | Time taken: | Score: | L4N1

(1) 596 + 538 =

(2) 985 + 157 =

(3) 620 - 153 =

(4) 645 - 498 =

(5) 3950 × 36

(6) 1468 × 89

(7) $8\overline{)6688}$

(8) $6\overline{)3276}$

Convert these decimals to percentages.

Example: 0.5 = 50%

(9) 0.3 =

(10) 0.9 =

(11) 0.75 =

(12) 0.05 =

(13) 0.6 =

(14) 0.25 =

(15) 0.47 =

(16) 0.60 =

Answers

60% 75%

90% 25%

47% 30%

5% 60%

131

Name: Time taken: Score: L4N1

(1) 471 + 879 = _____

(2) 586 + 985 = _____

(3) 812 - 538 = _____

(4) 805 - 347 = _____

(5) 3196 × 82 = _____

(6) 2847 × 64 = _____

(7) $4\overline{)2196}$

(8) $5\overline{)4615}$

Order of **operations**.

(9) 8 × 7 + 29 = _____

(10) 96 ÷ 8 - 7 = _____

(11) 72 ÷ 9 + 17 = _____

(12) 20 × 4 - 49 = _____

(13) 47 + 45 ÷ 5 = _____

(14) 23 + 6 × 7 = _____

(15) 81 - 7 × 7 = _____

(16) 63 - 36 ÷ 9 = _____

132

Name: Time taken: Score: L4N1

(1) 965 + 367 = _____

(2) 764 + 696 = _____

(3) 720 - 389 = _____

(4) 931 - 587 = _____

(5) 3509 × 57 = _____

(6) 4168 × 39 = _____

(7) $3\overline{)2157}$

(8) $6\overline{)3420}$

(9) **Add** up Miri's shopping list.

$27.35
$16.24
$23.65
$30.24
+ $12.75
_____

(10) If Miri paid for his groceries with six $20.00 notes, how much change would he get back?

_____

_____

_____

133

Name: Time taken: Score: L4N1

(1) 634 + 879 = _____

(2) 672 + 978 = _____

(3) 702 - 187 = _____

(4) 806 - 117 = _____

(5) 2570 × 92 = _____

(6) 6139 × 74 = _____

(7) $2\overline{)1234}$

(8) $8\overline{)7720}$

Calculate the **squares** of these numbers.

(9) 9^2 _____

(10) 11^2 _____

(11) 10^2 _____

(12) 8^2 _____

(13) 7^2 _____

(14) 12^2 _____

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

(15) $\sqrt{16}$ _____

(16) $\sqrt{64}$ _____

(17) $\sqrt{144}$ _____

(18) $\sqrt{36}$ _____

(19) $\sqrt{100}$ _____

(20) $\sqrt{81}$ _____

134

Name: Time taken: Score: L4N1

(1) 949 + 861 = _____

(2) 957 + 358 = _____

(3) 962 - 386 = _____

(4) 763 - 396 = _____

(5) 2874 × 56 = _____

6. 3590 × 87 = _____

(7) $7\overline{)5460}$

(8) $9\overline{)5742}$

Convert these **percentages** to **decimals**.

Example: 50% = 0.5

(9) 50% = _____

(10) 30% = _____

(11) 25% = _____

(12) 90% = _____

(13) 15% = _____

(14) 75% = _____

(15) 29% = _____

(16) 40% = _____

Answers

0.25 0.75
0.4 0.5
0.9 0.29
0.15 0.3

135

Name: Time taken: Score: L4N1

(1) 598 + 926 = _____

(2) 764 + 949 = _____

(3) 761 - 579 = _____

(4) 704 - 528 = _____

(5) 1684 × 63 = _____

(6) 2570 × 98 = _____

(7) $6\overline{)2790}$

(8) $8\overline{)2280}$

Prime numbers, multiples & factors

(9) **List** the **prime numbers** between **20** and **40**. _____

(10) **List** the first 5 **multiples** of **7**. _____

(11) **List** the first 5 **multiples** of **8**. _____

(12) **List** the **factors** of **50**. _____

(13) **List** the **factors** of **54**. _____

136

Name: Time taken: Score: L4N1

(1) 976 + 748 =

(2) 786 + 769 =

(3) 321 - 192 =

(4) 853 - 497 =

(5) 2748 × 28

(6) 5093 × 46

(7) $5\overline{)2970}$

(8) $9\overline{)2961}$

Convert these **fractions** to **decimals**.

Example: $^1/_2 = 0.5$

(9) $^1/_2$ =

(10) $^1/_4$ =

(11) $^3/_4$ =

(12) $^1/_5$ =

(13) $^1/_{10}$ =

(14) $^1/_3$ =

(15) $^2/_3$ =

(16) $^3/_5$ =

Answers

0.33· 0.75

0.25 0.6

0.66· 0.5

0.2 0.1

137

Name: Time taken: Score: L4N1

(1) 298 + 848 =

(2) 895 + 676 =

(3) 825 - 546 =

(4) 953 - 484 =

(5) 1648 × 75

(6) 2750 × 93

(7) $4\overline{)3884}$

(8) $7\overline{)3990}$

Convert these **decimals** to **percentages**.

Example: 0.5 = 50%

(9) 0.64 =

(10) 0.3 =

(11) 0.5 =

(12) 0.75 =

(13) 0.95 =

(14) 0.4 =

(15) 0.05 =

(16) 0.25 =

Answers

75% 25%

40% 64%

5% 50%

30% 95%

138

Name: Time taken: Score: L4N1

(1) 979 + 368 =

(2) 936 + 974 =

(3) 910 - 478 =

(4) 915 - 759 =

(5) 3196 × 29

(6) 4827 × 47

(7) $9\overline{)1584}$

(8) $2\overline{)1138}$

(9) How much would 7 C.D.'s at $16.45 each cost?

(10) How much would 3 kilograms of meat at $12.95 per kilogram cost?

(11) If 8 exercise books cost $7.60, what is the cost of one exercise book?

139

Name: Time taken: Score: L4N1

(1) 695 + 974 =

(2) 892 + 779 =

(3) 951 - 164 =

(4) 734 - 497 =

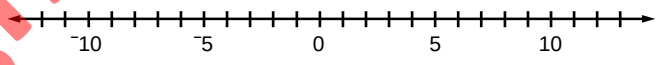
(5) 5093 × 65

(6) 1648 × 78

(7) $3\overline{)6960}$

(8) $7\overline{)5852}$

Add these positive and negative numbers



(9) 6 + 4 =

(10) ⁻7 + 8 =

(11) 3 + 9 =

(12) 3 + ⁻5 =

(13) ⁻9 + 7 =

(14) 7 + 4 =

(15) 8 + ⁻8 =

(16) ⁻4 + ⁻5 =

140

Name: Time taken: Score: L4N1

(1) 654 + 598 =

(2) 678 + 654 =

(3) 420 - 137 =

(4) 903 - 698 =

(5) 2750 × 36

(6) 3916 × 89

(7) $8\overline{)5232}$

(8) $6\overline{)4950}$

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

(9) zero point five three nine one

(10) sixteen point four two seven

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

(12) 26.09

(13) 146.7

(14) 5.008

141

Name: | | Time taken: | Score: | L4N1

(1) 667 + 868 = _____

(2) 842 + 998 = _____

(3) 416 - 289 = _____

(4) 540 - 161 = _____

(5) 5093 × 82 = _____

(6) 1648 × 64 = _____

(7) $4\overline{)3728}$

(8) $5\overline{)4585}$

(9) **Add** up Rangi's shopping list.

$14.95
$35.34
$18.75
$8.95
+ $27.15
_____

(10) If Rangi paid for his groceries with six $20.00 notes, how much change would he get back?

_____
-
_____

142

Name: | | Time taken: | Score: | L4N1

(1) 792 + 748 = _____

(2) 488 + 726 = _____

(3) 836 - 378 = _____

(4) 623 - 365 = _____

(5) 2750 × 57 = _____

(6) 3961 × 39 = _____

(7) $3\overline{)2115}$

(8) $6\overline{)4296}$

Read each statement and **write** the information as a **fraction**. *Example:* 3 out of 4 is written as $^3/_4$

(9) Abbey scored 47 out of 50 in a test. _____

(10) It rained 45 days out of 100 days. _____

(11) It was sunny 5 days last week. _____

(12) What fraction of your class are females? _____

143

Name: | | Time taken: | Score: | L4N1

(1) 783 + 588 = _____

(2) 578 + 883 = _____

(3) 602 - 275 = _____

(4) 830 - 652 = _____

(5) 4827 × 92 = _____

(6) 3950 × 74 = _____

(7) $2\overline{)1930}$

(8) $8\overline{)6960}$

Finding a **fraction** of a **quantity**.

(9) $^1/_3$ of 5.4 = _____

(10) $^1/_5$ of 9.5 = _____

(11) $^1/_8$ of 9.6 = _____

(12) $^1/_9$ of 5.4 = _____

(13) $^1/_5$ of 23.5 = _____

(14) $^1/_8$ of 3.76 = _____

(15) $^1/_9$ of 2.07 = _____

(16) $^1/_3$ of 25.5 = _____

144

Name: | | Time taken: | Score: | L4N1

(1) 978 + 947 = _____

(2) 794 + 326 = _____

(3) 830 - 652 = _____

(4) 902 - 739 = _____

(5) 1486 × 56 = _____

(6) 2570 × 87 = _____

(7) $7\overline{)2702}$

(8) $9\overline{)4185}$

Multiplying and **dividing** by **powers of 10**.

(9) $9.3 \times 10^2 =$ _____

(10) $6.1 \times 10^3 =$ _____

(11) $5.4 \div 10^3 =$ _____

(12) $7.5 \div 10^2 =$ _____

(13) $1.2 \times 10^4 =$ _____

(14) $3.7 \times 10^6 =$ _____

(15) $6.7 \div 10^5 =$ _____

145

Name: | | Time taken: | Score: | L4N1

(1) 979 + 956 = _____

(2) 878 + 539 = _____

(3) 918 - 429 = _____

(4) 941 - 383 = _____

(5) 3196 × 63 = _____

(6) 2874 × 98 = _____

(7) $6\overline{)4950}$

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

Convert these **percentages** to **decimals**.

Example: 50% = 0.5

(9) 25% = _____

(10) 10% = _____

(11) 64% = _____

(12) 50% = _____

(13) 5% = _____

(14) 75% = _____

(15) 90% = _____

(16) 15% = _____

Answers	
0.15	0.64
0.9	0.75
0.05	0.25
0.1	0.5

146

Name: Time taken: Score: L4N1

(1) 298 + 954 =

(2) 753 + 967 =

(3) 774 - 289 =

(4) 502 - 354 =

(5) 1648 × 28

(6) 2750 × 46

(7) $5\overline{)4615}$

(8) $9\overline{)1611}$

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

(10) How much would 5 kilograms of meat at $7.95 per kilogram cost?

(11) If 7 exercise books cost $9.45, what is the cost of one exercise book?

147

Name: Time taken: Score: L4N1

(1) 637 + 597 =

(2) 487 + 753 =

(3) 502 - 354 =

(4) 530 - 264 =

(5) 3169 × 75

(6) 2874 × 93

(7) $4\overline{)2028}$

(8) $7\overline{)5012}$

Finding a **percentage** of a **quantity**. %

(9) 10% of 5.6 =

(10) 50% of 87 =

(11) $33\frac{1}{3}$% of 48 =

(12) 25% of 96 =

(13) 10% of 45.6 =

(14) 50% of 175 =

(15) 25% of 280 =

(16) 20% of 140 =

148

Name: Time taken: Score: L4N1

(1) 789 + 494 =

(2) 958 + 275 =

(3) 814 - 265 =

(4) 931 - 245 =

(5) 3095 × 29

(6) 4168 × 47

(7) $9\overline{)5364}$

(8) $2\overline{)1740}$

Prime numbers, multiples & factors

(9) **List** the **prime numbers** between **40** and **60**.

(10) **List** the first 5 **multiples** of **8**.

(11) **List** the first 5 **multiples** of **9**.

(12) **List** the **factors** of **56**.

(13) **List** the **factors** of **60**.

149

Name: Time taken: Score: L4N1

(1) 958 + 275 =

(2) 787 + 935 =

(3) 927 - 279 =

(4) 620 - 153 =

(5) 2570 × 65

(6) 3196 × 78

(7) $3\overline{)2589}$

(8) $7\overline{)4578}$

Order of **operations**. BEDMAS

(9) 6 × 8 + 35 =

(10) 56 ÷ 7 - 7 =

(11) 84 ÷ 7 + 17 =

(12) 12 × 6 - 49 =

(13) 33 + 42 ÷ 6 =

(14) 23 + 9 × 9 =

(15) 91 - 8 × 8 =

(16) 74 - 45 ÷ 3 =

150

Name: Time taken: Score: L4N1

(1) 693 + 459 =

(2) 598 + 862 =

(3) 467 - 168 =

(4) 953 - 484 =

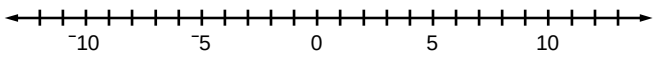
(5) 2874 × 36

(6) 3059 × 89

(7) $8\overline{)6600}$

(8) $6\overline{)5724}$

Add these positive and negative numbers



(9) 3 + 7 =

(10) $^{-}6 + 3 =$

(11) 9 + 3 =

(12) $10 + {}^{-}9 =$

(13) $^{-}5 + 8 =$

(14) 8 + 5 =

(15) $4 + {}^{-}7 =$

(16) $^{-}2 + {}^{-}7 =$

Daily Number Activity
Tasks

Answers

1

1.	990
2.	879
3.	304
4.	421
5.	69160
6.	381975
7.	618
8.	586

9.	1.3, 1.9, 2.2, 2.9, 3.8, 4.6, 5.4, 7.8, 9.7
10.	1.2, 4.1, 4.7, 6.2, 6.5, 7.4, 8.5, 8.7, 9.6
11.	1.6, 3.5, 3.7, 5.6, 6.3, 7.2, 7.4, 7.9, 8.3

2

1.	958
2.	692
3.	446
4.	214
5.	486752
6.	349239
7.	740
8.	539

9.	329
10.	507
11.	six hundred & twenty-four
12.	four hundred & nineteen
13.	five hundred & ninety-four

3

1.	891
2.	889
3.	260
4.	597
5.	51072
6.	363750
7.	927
8.	618

9.	Shade in any 6 out of 12
10.	Shade in any 2 out of 8
11.	Shade in any 3 out of 15
12.	Shade in any 4 out of 12

4

1.	774
2.	815
3.	223
4.	570
5.	578838
6.	533577
7.	856
8.	470

9.	$119.80
10.	$23.50
11.	$0.65

5

1.	781
2.	1029
3.	271
4.	432
5.	101304
6.	206100
7.	935
8.	279

9.	1641.24
10.	1.67272
11.	297
12.	46.5

6

1.	668
2.	833
3.	540
4.	324
5.	281842
6.	232557
7.	704
8.	395

9.	1°C
10.	11°C
11.	-2°C
12.	-2°C
13.	-6°C

7

1.	404
2.	774
3.	385
4.	327
5.	346112
6.	264213
7.	729
8.	681

9.	150
10.	310
11.	850
12.	980
13.	440
14.	260
15.	1400
16.	2600

17.	6100
18.	3300
19.	7300
20.	4900

8

1.	819
2.	964
3.	111
4.	273
5.	257728
6.	66027
7.	568
8.	470

9.	24
10.	20
11.	6
12.	15
13.	40
14.	40
15.	30
16.	160

9

1.	733
2.	787
3.	270
4.	293
5.	142370
6.	538470
7.	359
8.	297

9.	$^{1}/_{10}$'s, $^{5}/_{10}$
10.	$^{1}/_{100}$'s, $^{9}/_{100}$
11.	1's, 3
12.	10's, 40
13.	$^{1}/_{100}$'s, $^{3}/_{100}$
14.	$^{1}/_{1000}$'s, $^{8}/_{1000}$
15.	$^{1}/_{10}$'s, $^{8}/_{10}$
16.	100's, 600

10

1.	768
2.	796
3.	344
4.	230
5.	273792
6.	71604
7.	681
8.	586

9.	648
10.	713
11.	five hundred & thirty-nine
12.	eight hundred & six
13.	one hundred & seventy-three

11

1.	871
2.	525
3.	165
4.	109
5.	160550
6.	397254
7.	279
8.	186

9.	9°C
10.	-3°C
11.	6°C
12.	5°C
13.	-8°C

12

1.	856
2.	682
3.	295
4.	91
5.	332416
6.	533049
7.	568
8.	470

9.	9.7, 9.6, 6.5, 5.4, 5.3, 4.7, 4.1, 3.8, 2.9, 1.3
10.	9.8, 9.1, 7.5, 6.4, 6.4, 5.2, 4.4, 3.6, 2.7, 1.1
11.	9.4, 8.5, 8.2, 7.4, 6.4, 6.2, 6.1, 4.7, 3.7, 1.8

13

1.	680
2.	1066
3.	160
4.	218
5.	118560
6.	378300
7.	359
8.	279

9.	$124.75
10.	$42.40
11.	$1.25

14

1.	507
2.	883
3.	220
4.	182
5.	395304
6.	814407
7.	186
8.	568

9.	4
10.	81
11.	16
12.	49
13.	9
14.	36
15.	5
16.	8

17.	7
18.	9
19.	4
20.	6

15

1.	372
2.	735
3.	805
4.	715
5.	235170
6.	214344
7.	407
8.	395

9.	11, 13, 17, 19
10.	5, 10, 15, 20, 25
11.	6, 12, 18, 24, 30
12.	1, 2, 3, 4, 6, 12
13.	1, 3, 5, 15

16

1.	708
2.	965
3.	652
4.	226
5.	235596
6.	304200
7.	568
8.	407

9.	Shade in any 4 out of 10
10.	Shade in any 8 out of 12
11.	Shade in any 9 out of 12
12.	Shade in any 10 out of 12

17

1.	903
2.	649
3.	215
4.	163
5.	467268
6.	106659
7.	359
8.	297

9.	221.592
10.	1.75864
11.	3.69
12.	927

18

1.	518
2.	786
3.	152
4.	167
5.	104922
6.	170208
7.	168
8.	586

9.	190
10.	250
11.	390
12.	930
13.	620
14.	760
15.	1800
16.	2400

17.	3800
18.	4400
19.	9300
20.	5500

19

1.	1055
2.	1001
3.	96
4.	671
5.	336628
6.	76560
7.	470
8.	359

9.	$^{3}/_{6}$ or $^{1}/_{2}$
10.	$^{4}/_{10}$ or $^{2}/_{5}$
11.	$^{3}/_{10}$
12.	$^{8}/_{24}$ or $^{1}/_{3}$
13.	$^{6}/_{12}$ or $^{1}/_{2}$
14.	$^{5}/_{10}$ or $^{1}/_{2}$
15.	$^{4}/_{8}$ or $^{1}/_{2}$
16.	$^{6}/_{16}$ or $^{3}/_{8}$

20

1.	736
2.	830
3.	260
4.	538
5.	424800
6.	325908
7.	279
8.	168

9.	$98.85
10.	$27.90
11.	$0.85

21

1.	841
2.	634
3.	125
4.	484
5.	381009
6.	398184
7.	935
8.	279

9.	$76.49
10.	$3.51

22

1.	804	9.	$^{1}/_{10}$'s, $^{7}/_{10}$
2.	850	10.	$^{1}/_{100}$'s, $^{8}/_{100}$
3.	51	11.	1's, 7
4.	496	12.	10's, 40
5.	179928	13.	$^{1}/_{100}$'s, $^{5}/_{100}$
6.	373552	14.	$^{1}/_{1000}$'s, $^{5}/_{1000}$
7.	658	15.	$^{1}/_{10}$'s, $^{9}/_{10}$
8.	470	16.	100's, 500

23

1.	892	9.	965
2.	628	10.	372
3.	326	11.	three hundred & ninety-six
4.	460	12.	four hundred & thirty-seven
5.	531330	13.	eight hundred & forty-nine
6.	170093		
7.	729		
8.	619		

24

1.	1076	9.	537	17.	8.97
2.	806	10.	3700	18.	5.79
3.	326	11.	74		
4.	372	12.	210		
5.	358582	13.	60		
6.	204314	14.	4.93		
7.	740	15.	0.536		
8.	359	16.	0.625		

25

1.	307	9.	10°C
2.	709	10.	-3°C
3.	647	11.	15°C
4.	372	12.	1°C
5.	219830	13.	-8°C
6.	278710		
7.	618		
8.	586		

26

1.	675	The following are possible answers.	
2.	990	9.	600 + 300 = 900
3.	647	10.	2200 - 600 = 1600
4.	304	11.	5000 × 20 = 100000
5.	127325	12.	7500 ÷ 10 = 750
6.	192660		
7.	681		
8.	568		

27

1.	879	9.	25	17.	6
2.	1112	10.	64	18.	5
3.	104	11.	81	19.	7
4.	304	12.	100	20.	12
5.	318604	13.	144		
6.	516432	14.	36		
7.	470	15.	3		
8.	395	16.	9		

28

1.	1092	9.	2944.92
2.	833	10.	2.19868
3.	41	11.	483
4.	183	12.	29.5
5.	121250		
6.	142272		
7.	729		
8.	187		

29

1.	607	9.	23, 29
2.	845	10.	3, 6, 9, 12, 15
3.	519	11.	7, 14, 21, 28, 35
4.	139	12.	1, 2, 3, 6, 9, 18
5.	486772	13.	1, 3, 7, 21
6.	614133		
7.	568		
8.	470		

30

1.	871	9.	Shade in any 6 out of 12
2.	1349	10.	Shade in any 9 out of 12
3.	491	11.	Shade in any 8 out of 12
4.	699	12.	Shade in any 8 out of 10
5.	68700		
6.	282204		
7.	359		
8.	279		

31

1.	605	9.	$^{4}/_{8}$ or $^{1}/_{2}$
2.	1740	10.	$^{2}/_{6}$ or $^{1}/_{3}$
3.	94	11.	$^{3}/_{6}$ or $^{1}/_{2}$
4.	690	12.	$^{1}/_{5}$
5.	263461	13.	$^{3}/_{5}$
6.	409584	14.	$^{3}/_{8}$
7.	279	15.	$^{4}/_{6}$ or $^{2}/_{3}$
8.	168	16.	$^{6}/_{10}$ or $^{3}/_{5}$

32

1.	965	9.	$101.70
2.	856	10.	$43.05
3.	340	11.	$1.15
4.	295		
5.	173162		
6.	237120		
7.	856		
8.	470		

33

1.	708	9.	$^{1}/_{10}$'s, $^{1}/_{10}$
2.	1248	10.	$^{1}/_{100}$'s, $^{4}/_{100}$
3.	235	11.	1's, 9
4.	250	12.	10's, 20
5.	402523	13.	$^{1}/_{100}$'s, $^{4}/_{100}$
6.	677664	14.	$^{1}/_{1000}$'s, $^{8}/_{1000}$
7.	395	15.	$^{1}/_{10}$'s, $^{4}/_{10}$
8.	279	16.	100's, 600

34

1.	634	9.	9.2, 9.0, 8.2, 7.6, 5.7, 5.6, 5.1, 4.5, 3.4, 2.4
2.	1371		
3.	352	10.	9.6, 7.4, 6.6, 6.3, 6.1, 5.9, 5.0, 4.8, 4.2, 3.2
4.	139		
5.	93432	11.	9.8, 7.5, 6.4, 6.4, 5.2, 4.4, 3.6, 3.1, 2.7, 1.1
6.	249642		
7.	618		
8.	586		

35

1.	692	9.	550	17.	5900
2.	671	10.	160	18.	3600
3.	703	11.	990	19.	2600
4.	391	12.	410	20.	7900
5.	208550	13.	740		
6.	175104	14.	610		
7.	704	15.	1400		
8.	395	16.	4400		

36

1.	958	9.	13
2.	1528	10.	12
3.	631	11.	7
4.	646	12.	7
5.	90258	13.	25
6.	418035	14.	40
7.	856	15.	27
8.	740	16.	60

37

1.	404	9.	-4°C
2.	1845	10.	15°C
3.	849	11.	-2°C
4.	565	12.	4°C
5.	561180	13.	-7°C
6.	483054		
7.	861		
8.	685		

38

1.	774	9.	Shade in any 3 out of 9
2.	820	10.	Shade in any 6 out of 10
3.	498	11.	Shade in any 8 out of 12
4.	277	12.	Shade in any 10 out of 12
5.	89964		
6.	419949		
7.	470		
8.	539		

39

1.	682	9.	$^{4}/_{8}$
2.	1246	10.	$^{5}/_{15}$
3.	284	11.	$^{6}/_{24}$
4.	178	12.	$^{3}/_{9}$
5.	660256	13.	$^{4}/_{6}$
6.	729300	14.	$^{21}/_{28}$
7.	593	15.	$^{24}/_{40}$
8.	792	16.	$^{70}/_{100}$

40

1.	856	9.	$^{1}/_{10}$'s, $^{5}/_{10}$
2.	1691	10.	$^{1}/_{100}$'s, $^{0}/_{100}$ or 0
3.	149	11.	1's, 6
4.	247	12.	10's, 70
5.	179291	13.	$^{1}/_{100}$'s, $^{5}/_{100}$
6.	240207	14.	$^{1}/_{1000}$'s, $^{5}/_{1000}$
7.	927	15.	$^{1}/_{10}$'s, $^{1}/_{10}$
8.	618	16.	100's, 900

41

1.	903	9.	582	17.	49.1
2.	1040	10.	419000	18.	0.643
3.	408	11.	73		
4.	172	12.	6820		
5.	247182	13.	1270		
6.	152427	14.	9.64		
7.	658	15.	8.62		
8.	516	16.	0.743		

42

1.	649	9.	$71.90
2.	1537	10.	$8.10
3.	84		
4.	158		
5.	489780		
6.	330408		
7.	794		
8.	503		

43

1.	850
2.	1263
3.	395
4.	581
5.	111306
6.	749022
7.	916
8.	728

9.	29, 31
10.	2, 4, 6, 8, 10
11.	8, 16, 24, 32, 40
12.	1, 2, 4, 5, 10, 20
13.	1, 2, 3, 4, 6, 8, 12, 24

44

1.	804
2.	831
3.	350
4.	318
5.	396490
6.	649440
7.	547
8.	860

9.	9
10.	64
11.	100
12.	49
13.	121
14.	81
15.	4
16.	8

17.	6
18.	7
19.	10
20.	5

45

1.	891
2.	1564
3.	519
4.	483
5.	182624
6.	364650
7.	932
8.	579

9.	1.0, 2.1, 3.1, 3.5, 4.2, 4.8, 5.8, 6.0, 6.7, 7.9
10.	1.3, 2.4, 2.9, 3.3, 3.4, 3.8, 4.1, 4.7, 6.9, 8.0
11.	1.9, 2.6, 3.8, 4.7, 5.2, 5.5, 6.3, 6.3, 8.4, 9.9

46

1.	889
2.	1095
3.	295
4.	96
5.	618075
6.	86768
7.	586
8.	165

9.	$124.75
10.	$25.50
11.	$0.95

47

1.	964
2.	750
3.	477
4.	360
5.	268014
6.	311234
7.	497
8.	305

The following are possible answers

9.	900 + 700 = 1600
10.	6000 - 700 = 5300
11.	4000 × 30 = 120000
12.	6000 ÷ 10 = 600

48

1.	819
2.	1549
3.	771
4.	499
5.	296700
6.	168504
7.	619
8.	278

9.	152.786
10.	2.0111
11.	38.6
12.	48.5

49

1.	680
2.	1671
3.	139
4.	490
5.	290529
6.	734440
7.	475
8.	608

9.	12°C
10.	-3°C
11.	7°C
12.	4°C
13.	-9°C

50

1.	1066
2.	833
3.	391
4.	588
5.	463725
6.	187748
7.	932
8.	759

9.	154
10.	436
11.	nine hundred & sixty-three
12.	two hundred & eighty-four
13.	one hundred & seventy-five

51

1.	786
2.	1413
3.	599
4.	579
5.	141148
6.	545175
7.	856
8.	615

9.	$^{13}/_{20}$
10.	$^{27}/_{50}$
11.	$^{5}/_{7}$
12.	-

52

1.	518
2.	1160
3.	590
4.	338
5.	219450
6.	342104
7.	497
8.	305

9.	$^{3}/_{5}$
10.	$^{5}/_{8}$
11.	$^{4}/_{6}$ or $^{2}/_{3}$
12.	$^{2}/_{5}$
13.	$^{3}/_{6}$ or $^{1}/_{2}$
14.	$^{6}/_{12}$ or $^{1}/_{2}$
15.	$^{4}/_{8}$ or $^{1}/_{2}$
16.	$^{5}/_{12}$

53

1.	892
2.	627
3.	421
4.	284
5.	520350
6.	141148
7.	619
8.	827

9.	34.5
10.	9.017
11.	nine point six eight
12.	fifteen point zero two
13.	three hundred & forty-seven point five

54

1.	1167
2.	1715
3.	109
4.	214
5.	414333
6.	315700
7.	745
8.	608

9.	$^{8}/_{12}$
10.	$^{15}/_{20}$
11.	$^{6}/_{18}$
12.	$^{15}/_{18}$
13.	$^{6}/_{14}$
14.	$^{49}/_{63}$
15.	$^{24}/_{80}$
16.	$^{10}/_{150}$

55

1.	774
2.	1064
3.	167
4.	91
5.	312900
6.	194264
7.	923
8.	975

9.	$^{1}/_{10}$'s, $^{3}/_{10}$
10.	$^{1}/_{100}$'s, $^{8}/_{100}$
11.	1's, 6
12.	10's, 60
13.	$^{1}/_{100}$'s, $^{3}/_{100}$
14.	$^{1}/_{1000}$'s, $^{3}/_{1000}$
15.	$^{1}/_{10}$'s, $^{7}/_{10}$
16.	100's, 900

56

1.	815
2.	747
3.	671
4.	326
5.	64630
6.	375453
7.	568
8.	651

9.	$90.93
10.	$9.07

57

1.	733
2.	1204
3.	183
4.	326
5.	325312
6.	252402
7.	479
8.	530

9.	523
10.	8610
11.	84.7
12.	6790
13.	172
14.	4.53
15.	9.86
16.	8.610

17.	4.37
18.	12.91

58

1.	787
2.	1102
3.	139
4.	235
5.	386216
6.	54795
7.	691
8.	782

9.	$^{3}/_{6}$
10.	$^{1}/_{3}$
11.	$^{1}/_{4}$
12.	$^{4}/_{20}$
13.	$^{8}/_{12}$
14.	$^{3}/_{4}$
15.	$^{2}/_{5}$
16.	$^{15}/_{18}$

59

1.	883
2.	1064
3.	277
4.	352
5.	616128
6.	472719
7.	754
8.	806

9.	31, 37
10.	4, 8, 12, 16, 20
11.	9, 18, 27, 36, 45
12.	1, 5, 25
13.	1, 2, 3, 5, 6, 10, 15, 30

60

1.	507
2.	1322
3.	178
4.	395
5.	124844
6.	327444
7.	932
8.	975

9.	2.0, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9
10.	1.0, 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.7, 1.8
11.	0.10, 0.12, 0.13, 0.14, 0.15, 0.16, 0.17, 0.19

61

1.	1001
2.	1194
3.	499
4.	350
5.	175305
6.	663234
7.	615
8.	568

9.	$125.65
10.	$35.80
11.	$0.17

62

1.	1055
2.	690
3.	490
4.	597
5.	96544
6.	816582
7.	503
8.	479

9.	16
10.	49
11.	144
12.	81
13.	121
14.	64
15.	3
16.	6

17.	5
18.	9
19.	10
20.	7

63

1.	806
2.	1135
3.	218
4.	570
5.	266825
6.	210366
7.	827
8.	169

9.	891
10.	536
11.	four hundred & twenty-eight
12.	seven hundred & sixty-nine
13.	five hundred & thirty-seven

64

1.	1076
2.	1154
3.	182
4.	96
5.	476168
6.	149988
7.	680
8.	475

9.	-5°C
10.	11°C
11.	-1°C
12.	-3°C
13.	-7°C

65

1.	781
2.	761
3.	372
4.	260
5.	259090
6.	313170
7.	579
8.	293

9.	41
10.	3
11.	31
12.	17
13.	19
14.	54
15.	21
16.	66

66

1.	1029
2.	1536
3.	519
4.	372
5.	209989
6.	139284
7.	961
8.	872

9.	680
10.	570
11.	710
12.	830
13.	140
14.	280
15.	3900
16.	7600

17.	6400
18.	4900
19.	5300
20.	1900

67

1.	796
2.	1285
3.	139
4.	491
5.	138600
6.	439236
7.	475
8.	860

9.	742.14
10.	2.40016
11.	29.7
12.	17.8

68

1.	768
2.	933
3.	391
4.	284
5.	146102
6.	260676
7.	392
8.	759

9.	$^{4}/_{20}$
10.	$^{5}/_{35}$
11.	$^{6}/_{54}$
12.	$^{3}/_{30}$
13.	$^{6}/_{10}$
14.	$^{21}/_{28}$
15.	$^{16}/_{72}$
16.	$^{40}/_{50}$

69

1.	372
2.	1228
3.	318
4.	149
5.	355948
6.	84300
7.	568
8.	615

9.	4.9, 4.8, 4.7, 4.6, 4.5, 4.4, 4.3, 4.2, 4.1, 4.0
10.	6.9, 6.8, 6.7, 6.6, 6.5, 6.4, 6.3, 6.2, 6.1, 6.0
11.	3.19, 3.17, 3.17, 3.16, 3.13, 3.12, 3.11, 3.10

70

1.	735
2.	1345
3.	483
4.	139
5.	78213
6.	209880
7.	974
8.	530

9.	$86.39
10.	$13.61

71

1.	830
2.	675
3.	432
4.	391
5.	240033
6.	144995
7.	497
8.	350

9.	$^{1}/_{10}$'s, $^{9}/_{10}$
10.	$^{1}/_{100}$'s, $^{2}/_{100}$
11.	1's, 8
12.	10's, 60
13.	$^{1}/_{100}$'s, $^{3}/_{100}$
14.	$^{1}/_{1000}$'s, $^{5}/_{1000}$
15.	$^{1}/_{10}$'s, $^{7}/_{10}$
16.	100's, 600

72

1.	736
2.	1112
3.	324
4.	464
5.	170716
6.	293632
7.	169
8.	728

9.	37, 41, 43
10.	3, 6, 9, 12, 15
11.	10, 20, 30, 40, 50
12.	1, 2, 4, 7, 14, 28
13.	1, 3, 11, 33

73

1.	307
2.	1103
3.	538
4.	652
5.	93806
6.	130143
7.	754
8.	860

9.	$^{7}/_{14}$
10.	$^{2}/_{3}$
11.	$^{1}/_{3}$
12.	$^{10}/_{12}$
13.	$^{12}/_{16}$
14.	$^{3}/_{5}$
15.	$^{1}/_{4}$
16.	$^{21}/_{30}$

74

1.	709
2.	831
3.	647
4.	484
5.	350840
6.	182854
7.	923
8.	579

9.	234
10.	217
11.	17.4
12.	364
13.	1581
14.	4.89
15.	0.973
16.	1.120

17.	48.31
18.	0.569

75

1.	990
2.	1043
3.	699
4.	647
5.	346744
6.	211970
7.	586
8.	516

The following are possible answers

9.	200 + 700 = 900
10.	5000 - 500 = 4500
11.	9000 × 40 = 360000
12.	4000 ÷ 10 = 400

76

1.	879
2.	1537
3.	690
4.	703
5.	194264
6.	353400
7.	169
8.	278

9.	260.4
10.	1.395
11.	four hundred & fifty point nine
12.	one point seven two six
13.	twenty-eight point three four

77

1.	833
2.	1302
3.	247
4.	631
5.	315700
6.	434853
7.	475
8.	608

9.	11°C
10.	-2°C
11.	11°C
12.	-2°C
13.	-9°C

78

1.	607
2.	747
3.	519
4.	172
5.	141148
6.	523725
7.	293
8.	579

9.	36
10.	144
11.	49
12.	16
13.	64
14.	100
15.	3
16.	10

17.	5
18.	9
19.	8
20.	11

79

1.	871
2.	1204
3.	588
4.	295
5.	333760
6.	219450
7.	568
8.	561

9.	11
10.	-3
11.	12
12.	4
13.	-2
14.	13
15.	2
16.	-10

80

1.	525
2.	1097
3.	670
4.	327
5.	203532
6.	405075
7.	479
8.	530

9.	$194.85
10.	$63.00
11.	$1.45

81

1.	965
2.	845
3.	226
4.	273
5.	64630
6.	115713
7.	638
8.	719

9.	8
10.	9
11.	6
12.	5
13.	12
14.	17
15.	120
16.	40

82

1.	708
2.	1349
3.	652
4.	125
5.	197440
6.	118482
7.	546
8.	570

9.	12
10.	8
11.	8
12.	9
13.	30
14.	60
15.	17
16.	40

83

1.	841
2.	1081
3.	304
4.	51
5.	183356
6.	161850
7.	852
8.	617

9.	$^{4}/_{6}$ or $^{2}/_{3}$
10.	$^{6}/_{10}$ or $^{3}/_{5}$
11.	$^{5}/_{10}$ or $^{1}/_{2}$
12.	$^{8}/_{24}$ or $^{1}/_{3}$
13.	$^{5}/_{12}$
14.	$^{4}/_{10}$ or $^{2}/_{5}$
15.	$^{3}/_{8}$
16.	$^{8}/_{16}$ or $^{1}/_{2}$

84

1.	634
2.	750
3.	304
4.	94
5.	224512
6.	229803
7.	954
8.	659

9.	$82.26
10.	$17.74

85

1.	692
2.	1564
3.	646
4.	408
5.	177974
6.	160095
7.	932
8.	780

9.	$^{17}/_{25}$
10.	$^{25}/_{30}$ or $^{5}/_{6}$
11.	$^{6}/_{7}$
12.	-

86

1.	958
2.	1092
3.	340
4.	96
5.	450255
6.	626730
7.	546
8.	570

9.	7.9, 7.8, 7.7, 7.6, 7.5, 7.4, 7.3, 7.2, 7.1, 7.0
10.	2.9, 2.8, 2.7, 2.6, 2.5, 2.4, 2.3, 2.2, 2.1, 2.0
11.	4.19, 4.18, 4.17, 4.16, 4.15, 4.13, 4.12, 4.10

87

1.	404
2.	1064
3.	599
4.	565
5.	464230
6.	346782
7.	582
8.	176

9.	12
10.	-2
11.	13
12.	-2
13.	1
14.	11
15.	2
16.	-6

88

1.	774
2.	1322
3.	84
4.	293
5.	81200
6.	231426
7.	495
8.	596

9.	$^{15}/_{18}$
10.	$^{7}/_{10}$
11.	$^{1}/_{4}$
12.	$^{16}/_{24}$
13.	$^{6}/_{21}$
14.	$^{4}/_{5}$
15.	$^{2}/_{3}$
16.	$^{12}/_{20}$

89

1.	682
2.	1740
3.	215
4.	360
5.	377195
6.	619788
7.	329
8.	708

9.	51, 53, 57, 59
10.	4, 8, 12, 16, 20
11.	5, 10, 15, 20, 25
12.	1, 2, 4, 8, 16, 32
13.	1, 2, 4, 5, 8, 10, 20, 40

90

1.	856
2.	856
3.	590
4.	496
5.	223216
6.	120120
7.	683
8.	197

9.	$^{1}/_{10}$'s, $^{5}/_{10}$
10.	$^{1}/_{100}$'s, $^{3}/_{100}$
11.	1's, 8
12.	10's, 20
13.	$^{1}/_{100}$'s, $^{7}/_{100}$
14.	$^{1}/_{1000}$'s, $^{3}/_{1000}$
15.	$^{1}/_{10}$'s, $^{2}/_{10}$
16.	100's, 900

91

1.	903
2.	1248
3.	104
4.	230
5.	206596
6.	140256
7.	285
8.	671

9.	$203.70
10.	$35.85
11.	$0.87

92

1.	649
2.	1371
3.	152
4.	295
5.	381800
6.	439236
7.	459
8.	596

9.	37
10.	1
11.	15
12.	17
13.	23
14.	90
15.	15
16.	47

93

1.	850
2.	820
3.	849
4.	460
5.	146102
6.	52992
7.	293
8.	807

9.	7.532
10.	29.406
11.	six point zero one eight
12.	two hundred & fifty-four point seven
13.	zero point zero three nine

94

1.	804
2.	1528
3.	41
4.	158
5.	358432
6.	284130
7.	386
8.	917

9.	0.5
10.	0.25
11.	0.33·
12.	0.2
13.	0.66·
14.	0.75
15.	0.4
16.	0.1

95

1.	891
2.	1845
3.	477
4.	498
5.	78213
6.	182988
7.	645
8.	750

9.	81
10.	144
11.	25
12.	16
13.	49
14.	64
15.	3
16.	10

17.	9
18.	11
19.	6
20.	5

96

1.	889
2.	671
3.	581
4.	338
5.	448649
6.	342912
7.	923
8.	870

9.	1280
10.	4812
11.	39.5
12.	4590
13.	1561
14.	7.89
15.	4.56
16.	1.341

17.	8.63
18.	0.458

97

1.	964
2.	1413
3.	421
4.	771
5.	377300
6.	308728
7.	954
8.	596

9.	1143.18
10.	2.73399
11.	48.5
12.	18.9

98

1.	819
2.	1160
3.	284
4.	109
5.	617482
6.	211547
7.	852
8.	176

The following are possible answers

9.	600 + 200 = 800
10.	3000 - 600 = 2400
11.	1000 × 50 = 50000
12.	2000 ÷ 10 = 200

99

1.	680
2.	833
3.	167
4.	214
5.	262542
6.	264920
7.	654
8.	570

9.	$88.03
10.	$11.97

100

1.	1066
2.	1549
3.	91
4.	326
5.	155038
6.	173806
7.	836
8.	719

9.	12
10.	5
11.	11
12.	7
13.	-2
14.	11
15.	5
16.	-7

101

1.	1124
2.	1350
3.	115
4.	147
5.	44604
6.	324852
7.	836
8.	546

9.	$^{1}/_{2}$
10.	$^{1}/_{10}$
11.	$^{1}/_{4}$
12.	$^{3}/_{4}$
13.	$^{1}/_{3}$
14.	$^{2}/_{3}$
15.	$^{2}/_{5}$
16.	$^{7}/_{10}$

102

1.	1253
2.	1571
3.	377
4.	274
5.	368625
6.	365430
7.	852
8.	945

9.	3.9
10.	0.4
11.	2.4
12.	1.3
13.	7.3
14.	1.21
15.	1.23
16.	7.1

103

1.	1211
2.	1332
3.	263
4.	458
5.	181221
6.	244071
7.	923
8.	719

9.	47, 53
10.	6, 12, 18, 24, 30
11.	9, 18, 27, 36, 45
12.	1, 2, 3, 4, 6, 9, 12, 18, 36
13.	1, 2, 3, 6, 7, 14, 21, 42

104

1.	1175
2.	1460
3.	369
4.	331
5.	394680
6.	152412
7.	750
8.	671

9.	$^{5}/_{10}$
10.	$^{2}/_{3}$
11.	$^{1}/_{3}$
12.	$^{21}/_{30}$
13.	$^{12}/_{20}$
14.	$^{1}/_{4}$
15.	$^{4}/_{5}$
16.	$^{21}/_{28}$

105

1.	1231
2.	1513
3.	184
4.	344
5.	255348
6.	222144
7.	956
8.	780

9.	190
10.	9300
11.	0.0034
12.	0.075
13.	92000
14.	4700000
15.	0.000053

106

1.	1247
2.	1650
3.	288
4.	515
5.	623364
6.	102016
7.	683
8.	456
9.	13
10.	3
11.	13
12.	2
13.	3
14.	11
15.	-4
16.	-7

107

1.	1133
2.	1810
3.	275
4.	689
5.	226290
6.	232128
7.	825
8.	594
9.	54.392
10.	607.45
11.	nine hundred & seven point three
12.	one point six zero eight
13.	forty-five point two six

108

1.	1341
2.	1315
3.	299
4.	576
5.	178020
6.	446904
7.	932
8.	971
9.	0.33·
10.	0.66·
11.	0.1
12.	0.75
13.	0.25
14.	0.4
15.	0.2
16.	0.5

109

1.	1134
2.	1524
3.	467
4.	367
5.	108920
6.	322683
7.	705
8.	716
9.	$139.75
10.	$31.90
11.	$0.97

110

1.	1142
2.	1713
3.	182
4.	237
5.	157248
6.	156114
7.	569
8.	708
9.	4
10.	3.7
11.	12
12.	10
13.	24
14.	137.5
15.	30
16.	70

111

1.	1724
2.	1535
3.	176
4.	283
5.	137620
6.	182620
7.	546
8.	852
9.	$118.06
10.	$1.94

112

1.	1555
2.	1840
3.	129
4.	205
5.	468675
6.	76167
7.	945
8.	932
9.	$^{1}/_{10}$'s, $^{4}/_{10}$
10.	$^{1}/_{100}$'s, $^{3}/_{100}$
11.	1's, 6
12.	10's, 20
13.	$^{1}/_{100}$'s, $^{7}/_{100}$
14.	$^{1}/_{1000}$'s, $^{9}/_{1000}$
15.	$^{1}/_{10}$'s, $^{8}/_{10}$
16.	100's, 700

113

1.	1146
2.	1540
3.	356
4.	127
5.	176088
6.	91415
7.	971
8.	705
9.	81
10.	2
11.	22
12.	25
13.	34
14.	104
15.	11
16.	66

114

1.	1571
2.	1214
3.	279
4.	379
5.	181350
6.	487422
7.	671
8.	596
9.	8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6, 8.7, 8.8, 8.9
10.	2.0, 2.0, 2.3, 2.4, 2.5, 2.6, 2.6, 2.7, 2.8, 2.9
11.	1.01, 1.02, 1.03, 1.04, 1.05, 1.07, 1.08, 1.09

115

1.	1347
2.	1371
3.	469
4.	458
5.	57348
6.	628518
7.	780
8.	638
9.	$^{1}/_{4}$
10.	$^{1}/_{2}$
11.	$^{2}/_{5}$
12.	$^{7}/_{10}$
13.	$^{3}/_{4}$
14.	$^{2}/_{3}$
15.	$^{1}/_{3}$
16.	$^{1}/_{10}$

116

1.	1910
2.	1461
3.	469
4.	458
5.	310780
6.	169536
7.	654
8.	825
9.	61, 67
10.	6, 12, 18, 24, 30
11.	7, 14, 21, 28, 35
12.	1, 3, 5, 9, 15, 45
13.	1, 2, 3, 4, 6, 8, 12, 16, 24, 48

117

1.	1441
2.	1925
3.	432
4.	258
5.	87723
6.	242451
7.	954
8.	392
9.	50%
10.	95%
11.	75%
12.	15%
13.	60%
14.	25%
15.	45%
16.	40%

118

1.	1671
2.	1120
3.	156
4.	327
5.	179768
6.	274466
7.	791
8.	705
9.	$102.70
10.	$17.30

119

1.	1252
2.	1935
3.	787
4.	178
5.	148344
6.	274833
7.	761
8.	965
9.	11
10.	0
11.	13
12.	1
13.	-4
14.	11
15.	2
16.	-9

120

1.	1332
2.	1417
3.	163
4.	489
5.	170478
6.	156212
7.	870
8.	836

The following are possible answers

9.	600 + 900 = 1500
10.	6000 - 700 = 5300
11.	9000 × 30 = 270000
12.	4500 ÷ 10 = 450

121

1.	1252
2.	1720
3.	558
4.	485
5.	174972
6.	73278
7.	825
8.	954
9.	6300
10.	820
11.	0.019
12.	0.0074
13.	2800000
14.	16000
15.	0.000073

122

1.	1234
2.	1240
3.	148
4.	266
5.	470250
6.	74646
7.	932
8.	719
9.	$143.60
10.	$39.40
11.	$1.25

123

1.	1283
2.	1233
3.	495
4.	549
5.	115130
6.	117312
7.	750
8.	716
9.	0.2
10.	0.33·
11.	0.66·
12.	0.4
13.	0.1
14.	0.5
15.	0.25
16.	0.75

124

1.	1460
2.	1125
3.	377
4.	263
5.	149724
6.	353330
7.	863
8.	654
9.	$^{23}/_{30}$
10.	$^{15}/_{60}$ or $^{1}/_{4}$
11.	$^{3}/_{7}$
12.	-

125

1.	1722
2.	1152
3.	648
4.	115
5.	88335
6.	522756
7.	965
8.	780
9.	0.6
10.	0.4
11.	0.85
12.	0.5
13.	0.47
14.	0.75
15.	0.25
16.	0.05

126

1.	1124
2.	1253
3.	369
4.	263
5.	77000
6.	428536
7.	825
8.	549
9.	0.8
10.	12
11.	1.2
12.	8.5
13.	3.1
14.	0.32
15.	0.65
16.	1.63

127

1.	1211	9.	11
2.	1175	10.	2
3.	369	11.	12
4.	184	12.	-2
5.	362025	13.	8
6.	468627	14.	13
7.	932	15.	-3
8.	917	16.	-10

128

1.	1231	9.	$^{1}/_{10}$
2.	1247	10.	$^{2}/_{3}$
3.	288	11.	$^{3}/_{4}$
4.	275	12.	$^{7}/_{10}$
5.	47792	13.	$^{1}/_{3}$
6.	120790	14.	$^{2}/_{5}$
7.	705	15.	$^{1}/_{2}$
8.	716	16.	$^{1}/_{4}$

129

1.	1133	9.	8.5
2.	1341	10.	48
3.	275	11.	20
4.	299	12.	21
5.	110045	13.	5.26
6.	214344	14.	6.2
7.	965	15.	62.5
8.	870	16.	32

130

1.	1134	9.	30%
2.	1142	10.	90%
3.	467	11.	75%
4.	147	12.	5%
5.	142200	13.	60%
6.	130652	14.	25%
7.	836	15.	47%
8.	546	16.	60%

131

1.	1350	9.	85
2.	1571	10.	5
3.	274	11.	25
4.	458	12.	31
5.	262072	13.	56
6.	182208	14.	65
7.	549	15.	32
8.	923	16.	59

132

1.	1332	9.	$110.23
2.	1460	10.	$9.77
3.	331		
4.	344		
5.	200013		
6.	162552		
7.	719		
8.	570		

133

1.	1513	9.	81	17.	12
2.	1650	10.	121	18.	6
3.	515	11.	100	19.	10
4.	689	12.	64	20.	9
5.	236440	13.	49		
6.	454286	14.	144		
7.	617	15.	4		
8.	965	16.	8		

134

1.	1810	9.	0.5
2.	1315	10.	0.3
3.	576	11.	0.25
4.	367	12.	0.9
5.	160944	13.	0.15
6.	312330	14.	0.75
7.	780	15.	0.29
8.	638	16.	0.4

135

1.	1524	9.	23, 29, 31, 37
2.	1713	10.	7, 14, 21, 28, 35
3.	182	11.	8, 16, 24, 32, 40
4.	176	12.	1, 2, 5, 10, 25, 50
5.	106092	13.	1, 2, 3, 6, 9, 18, 27, 54
6.	251860		
7.	465		
8.	285		

136

1.	1724	9.	0.5
2.	1555	10.	0.25
3.	129	11.	0.75
4.	356	12.	0.2
5.	76944	13.	0.1
6.	234278	14.	0.33·
7.	594	15.	0.66·
8.	329	16.	0.6

137

1.	1146	9.	64%
2.	1571	10.	30%
3.	279	11.	50%
4.	469	12.	75%
5.	123600	13.	95%
6.	255750	14.	40%
7.	971	15.	5%
8.	570	16.	25%

138

1.	1347	9.	$115.15
2.	1910	10.	$38.85
3.	432	11.	$0.95
4.	156		
5.	92684		
6.	226869		
7.	176		
8.	569		

139

1.	1669	9.	10
2.	1671	10.	1
3.	787	11.	12
4.	237	12.	-2
5.	331045	13.	-2
6.	128544	14.	11
7.	2320	15.	0
8.	836	16.	-9

140

1.	1252	9.	0.5391
2.	1332	10.	16.427
3.	283	11.	twenty six point zero nine
4.	205	12.	one hundred & forty six point seven
5.	99000	13.	five point zero zero eight
6.	348524		
7.	654		
8.	825		

141

1.	1535	9.	$105.14
2.	1840	10.	$14.86
3.	127		
4.	379		
5.	417626		
6.	105472		
7.	932		
8.	917		

142

1.	1540	9.	$^{47}/_{50}$
2.	1214	10.	$^{45}/_{100}$ or $^{9}/_{20}$
3.	458	11.	$^{5}/_{7}$
4.	258	12.	-
5.	156750		
6.	154479		
7.	705		
8.	716		

143

1.	1371	9.	1.8
2.	1461	10.	1.9
3.	327	11.	1.2
4.	178	12.	0.6
5.	444084	13.	4.7
6.	292300	14.	0.47
7.	965	15.	0.23
8.	870	16.	8.5

144

1.	1925	9.	930
2.	1120	10.	6100
3.	178	11.	0.0054
4.	163	12.	0.075
5.	83216	13.	12000
6.	223590	14.	3700000
7.	386	15.	0.000067
8.	465		

145

1.	1935	9.	0.25
2.	1417	10.	0.1
3.	489	11.	0.64
4.	558	12.	0.5
5.	201348	13.	0.05
6.	281652	14.	0.75
7.	825	15.	0.9
8.	495	16.	0.15

146

1.	1252	9.	$224.55
2.	1720	10.	$39.75
3.	485	11.	$1.35
4.	148		
5.	46144		
6.	126500		
7.	923		
8.	179		

147

1.	1234	9.	0.56
2.	1240	10.	43.5
3.	148	11.	16
4.	266	12.	24
5.	237675	13.	4.56
6.	267282	14.	87.5
7.	507	15.	70
8.	716	16.	28

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
2.	1233
3.	549
4.	686
5.	89755
6.	195896
7.	596
8.	870
9.	41, 43, 47, 53, 59
10.	8, 16, 24, 32, 40
11.	9, 18, 27, 36, 45
12.	1, 2, 4, 7, 8, 14, 28, 56
13.	1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60

149

1.	1233
2.	1722
3.	648
4.	467
5.	167050
6.	249288
7.	863
8.	654
9.	83
10.	1
11.	29
12.	23
13.	40
14.	104
15.	27
16.	59

150

1.	1152
2.	1460
3.	299
4.	469
5.	103464
6.	272251
7.	825
8.	954
9.	10
10.	-3
11.	12
12.	1
13.	3
14.	13
15.	-3
16.	-9

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)

30

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						

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:*
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

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:*
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

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

Daily Number Revision Numeracy Skills Assessment

L4N1

Name: _____ Class: _____

A: Adding 3 digit numbers - no carrying

(1) 310 + 429 = _____
(2) 415 + 542 = _____
(3) 634 + 304 = _____
(4) 210 + 418 = _____
(5) 753 + 103 = _____
(6) 820 + 126 = _____
(7) 202 + 647 = _____
(8) 605 + 223 = _____
(9) 531 + 126 = _____
(10) 537 + 310 = _____

B: Adding 3 digit numbers - carrying

(1) 679 + 456 = _____
(2) 794 + 957 = _____
(3) 169 + 988 = _____
(4) 867 + 378 = _____
(5) 795 + 935 = _____
(6) 678 + 579 = _____
(7) 986 + 826 = _____
(8) 827 + 598 = _____
(9) 498 + 868 = _____
(10) 399 + 749 = _____

C: Subtracting 3 digit numbers - no renaming

(1) 792 - 682 = _____
(2) 678 - 448 = _____
(3) 839 - 603 = _____
(4) 694 - 154 = _____
(5) 789 - 460 = _____
(6) 517 - 301 = _____
(7) 954 - 321 = _____
(8) 873 - 301 = _____
(9) 596 - 316 = _____
(10) 758 - 402 = _____

D: Subtracting 3 digit numbers - renaming

(1) 803 - 236 = _____
(2) 913 - 454 = _____
(3) 447 - 258 = _____
(4) 525 - 197 = _____
(5) 742 - 297 = _____
(6) 604 - 478 = _____
(7) 861 - 478 = _____
(8) 725 - 348 = _____
(9) 603 - 368 = _____
(10) 961 - 594 = _____

E: Multiplying - mixed

(1) 1 × 2 = _____
(2) 6 × 5 = _____
(3) 8 × 3 = _____
(4) 4 × 4 = _____
(5) 9 × 6 = _____
(6) 2 × 7 = _____
(7) 5 × 8 = _____
(8) 7 × 9 = _____
(9) 10 × 2 = _____
(10) 2 × 5 = _____
(11) 3 × 3 = _____
(12) 7 × 4 = _____
(13) 3 × 6 = _____
(14) 8 × 7 = _____
(15) 9 × 8 = _____
(16) 4 × 9 = _____
(17) 6 × 2 = _____
(18) 10 × 5 = _____
(19) 5 × 3 = _____
(20) 0 × 4 = _____

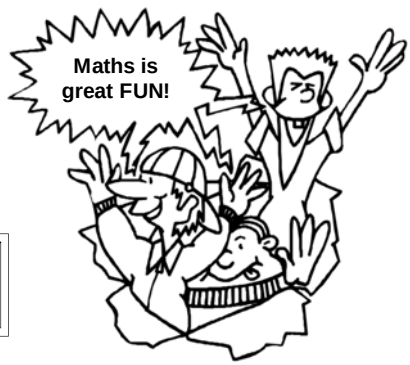
F: Dividing - mixed

(1) 36 ÷ 6 = _____
(2) 28 ÷ 7 = _____
(3) 48 ÷ 8 = _____
(4) 18 ÷ 9 = _____
(5) 6 ÷ 2 = _____
(6) 5 ÷ 5 = _____
(7) 27 ÷ 3 = _____
(8) 20 ÷ 4 = _____
(9) 6 ÷ 6 = _____
(10) 70 ÷ 7 = _____
(11) 16 ÷ 8 = _____
(12) 54 ÷ 9 = _____
(13) 16 ÷ 2 = _____
(14) 25 ÷ 5 = _____
(15) 21 ÷ 3 = _____
(16) 36 ÷ 4 = _____
(17) 24 ÷ 6 = _____
(18) 42 ÷ 7 = _____
(19) 80 ÷ 8 = _____
(20) 81 ÷ 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)

80



B1

Daily Number Revision Numeracy Skills Assessment

L4N1

Name: _____ Class: _____

A: Adding 3 digit numbers - no carrying

(1) 314 + 670 = _____
(2) 407 + 252 = _____
(3) 623 + 203 = _____
(4) 581 + 303 = _____
(5) 141 + 815 = _____
(6) 410 + 317 = _____
(7) 129 + 730 = _____
(8) 326 + 521 = _____
(9) 264 + 104 = _____
(10) 620 + 253 = _____

B: Adding 3 digit numbers - carrying

(1) 689 + 942 = _____
(2) 759 + 379 = _____
(3) 738 + 688 = _____
(4) 853 + 659 = _____
(5) 785 + 479 = _____
(6) 978 + 179 = _____
(7) 949 + 467 = _____
(8) 586 + 669 = _____
(9) 952 + 888 = _____
(10) 568 + 967 = _____

C: Subtracting 3 digit numbers - no renaming

(1) 758 - 257 = _____
(2) 376 - 275 = _____
(3) 592 - 491 = _____
(4) 862 - 430 = _____
(5) 754 - 512 = _____
(6) 691 - 271 = _____
(7) 784 - 313 = _____
(8) 947 - 203 = _____
(9) 983 - 603 = _____
(10) 569 - 102 = _____

D: Subtracting 3 digit numbers - renaming

(1) 318 - 129 = _____
(2) 921 - 439 = _____
(3) 404 - 156 = _____
(4) 813 - 679 = _____
(5) 652 - 498 = _____
(6) 931 - 576 = _____
(7) 773 - 585 = _____
(8) 826 - 268 = _____
(9) 514 - 337 = _____
(10) 602 - 325 = _____

E: Multiplying - mixed

(1) 4 × 2 = _____
(2) 8 × 5 = _____
(3) 10 × 3 = _____
(4) 8 × 4 = _____
(5) 2 × 6 = _____
(6) 5 × 7 = _____
(7) 8 × 8 = _____
(8) 3 × 9 = _____
(9) 7 × 2 = _____
(10) 9 × 5 = _____
(11) 0 × 3 = _____
(12) 10 × 4 = _____
(13) 8 × 6 = _____
(14) 3 × 7 = _____
(15) 7 × 8 = _____
(16) 1 × 9 = _____
(17) 5 × 2 = _____
(18) 3 × 5 = _____
(19) 4 × 3 = _____
(20) 2 × 4 = _____

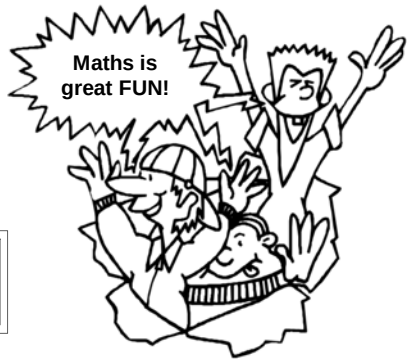
F: Dividing - mixed

(1) 30 ÷ 6 = _____
(2) 7 ÷ 7 = _____
(3) 24 ÷ 8 = _____
(4) 90 ÷ 9 = _____
(5) 4 ÷ 2 = _____
(6) 35 ÷ 5 = _____
(7) 6 ÷ 3 = _____
(8) 24 ÷ 4 = _____
(9) 42 ÷ 6 = _____
(10) 63 ÷ 7 = _____
(11) 8 ÷ 8 = _____
(12) 72 ÷ 9 = _____
(13) 18 ÷ 2 = _____
(14) 20 ÷ 5 = _____
(15) 18 ÷ 3 = _____
(16) 12 ÷ 4 = _____
(17) 60 ÷ 6 = _____
(18) 49 ÷ 7 = _____
(19) 32 ÷ 8 = _____
(20) 45 ÷ 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)

80



C1

Daily Number Revision Numeracy Skills Assessment

L4N1

Name: _____ Class: _____

A: Adding 3 digit numbers - no carrying

(1) 103 + 294 = _____
(2) 154 + 425 = _____
(3) 436 + 403 = _____
(4) 102 + 184 = _____
(5) 357 + 301 = _____
(6) 208 + 261 = _____
(7) 202 + 746 = _____
(8) 506 + 442 = _____
(9) 315 + 261 = _____
(10) 375 + 103 = _____

B: Adding 3 digit numbers - carrying

(1) 796 + 564 = _____
(2) 947 + 579 = _____
(3) 691 + 889 = _____
(4) 678 + 783 = _____
(5) 957 + 359 = _____
(6) 786 + 795 = _____
(7) 867 + 268 = _____
(8) 278 + 985 = _____
(9) 984 + 688 = _____
(10) 993 + 497 = _____

C: Subtracting 3 digit numbers - no renaming

(1) 729 - 628 = _____
(2) 687 - 484 = _____
(3) 893 - 630 = _____
(4) 649 - 145 = _____
(5) 798 - 406 = _____
(6) 571 - 310 = _____
(7) 945 - 312 = _____
(8) 837 - 310 = _____
(9) 569 - 361 = _____
(10) 785 - 420 = _____

D: Subtracting 3 digit numbers - renaming

(1) 830 - 263 = _____
(2) 931 - 445 = _____
(3) 474 - 285 = _____
(4) 552 - 179 = _____
(5) 724 - 279 = _____
(6) 640 - 487 = _____
(7) 816 - 587 = _____
(8) 752 - 384 = _____
(9) 630 - 386 = _____
(10) 916 - 549 = _____

E: Multiplying - mixed

(1) 6 × 6 = _____
(2) 4 × 7 = _____
(3) 6 × 8 = _____
(4) 2 × 9 = _____
(5) 3 × 2 = _____
(6) 0 × 5 = _____
(7) 9 × 3 = _____
(8) 5 × 4 = _____
(9) 1 × 6 = _____
(10) 10 × 7 = _____
(11) 2 × 8 = _____
(12) 6 × 9 = _____
(13) 8 × 2 = _____
(14) 5 × 5 = _____
(15) 7 × 3 = _____
(16) 9 × 4 = _____
(17) 4 × 6 = _____
(18) 6 × 7 = _____
(19) 10 × 8 = _____
(20) 9 × 9 = _____

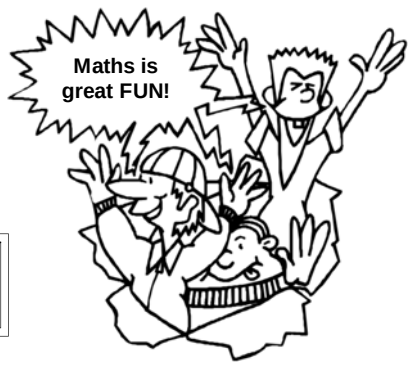
F: Dividing - mixed

(1) 2 ÷ 2 = _____
(2) 30 ÷ 5 = _____
(3) 24 ÷ 3 = _____
(4) 16 ÷ 4 = _____
(5) 54 ÷ 6 = _____
(6) 14 ÷ 7 = _____
(7) 40 ÷ 8 = _____
(8) 63 ÷ 9 = _____
(9) 20 ÷ 2 = _____
(10) 10 ÷ 5 = _____
(11) 9 ÷ 3 = _____
(12) 28 ÷ 4 = _____
(13) 18 ÷ 6 = _____
(14) 56 ÷ 7 = _____
(15) 72 ÷ 8 = _____
(16) 36 ÷ 9 = _____
(17) 12 ÷ 2 = _____
(18) 50 ÷ 5 = _____
(19) 15 ÷ 3 = _____
(20) 4 ÷ 4 = _____

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



D1

Daily Number Revision Numeracy Skills Assessment

L4N1

Name: _____ Class: _____

A: Adding 3 digit numbers - no carrying

(1) 143 + 706 = _____
(2) 704 + 252 = _____
(3) 326 + 302 = _____
(4) 158 + 330 = _____
(5) 411 + 158 = _____
(6) 104 + 173 = _____
(7) 291 + 307 = _____
(8) 263 + 215 = _____
(9) 462 + 401 = _____
(10) 206 + 532 = _____

B: Adding 3 digit numbers - carrying

(1) 896 + 429 = _____
(2) 597 + 793 = _____
(3) 387 + 886 = _____
(4) 538 + 596 = _____
(5) 857 + 794 = _____
(6) 789 + 791 = _____
(7) 499 + 674 = _____
(8) 865 + 696 = _____
(9) 529 + 888 = _____
(10) 685 + 679 = _____

C: Subtracting 3 digit numbers - no renaming

(1) 785 - 275 = _____
(2) 367 - 257 = _____
(3) 529 - 419 = _____
(4) 826 - 403 = _____
(5) 745 - 521 = _____
(6) 619 - 217 = _____
(7) 748 - 331 = _____
(8) 974 - 230 = _____
(9) 938 - 630 = _____
(10) 596 - 120 = _____

D: Subtracting 3 digit numbers - renaming

(1) 381 - 192 = _____
(2) 912 - 493 = _____
(3) 440 - 165 = _____
(4) 831 - 697 = _____
(5) 625 - 489 = _____
(6) 913 - 567 = _____
(7) 737 - 558 = _____
(8) 862 - 286 = _____
(9) 541 - 373 = _____
(10) 620 - 352 = _____

E: Multiplying - mixed

(1) 5 × 6 = _____
(2) 1 × 7 = _____
(3) 3 × 8 = _____
(4) 10 × 9 = _____
(5) 2 × 2 = _____
(6) 7 × 5 = _____
(7) 2 × 3 = _____
(8) 6 × 4 = _____
(9) 7 × 6 = _____
(10) 9 × 7 = _____
(11) 1 × 8 = _____
(12) 8 × 9 = _____
(13) 9 × 2 = _____
(14) 4 × 5 = _____
(15) 6 × 3 = _____
(16) 3 × 4 = _____
(17) 10 × 6 = _____
(18) 7 × 7 = _____
(19) 4 × 8 = _____
(20) 5 × 9 = _____

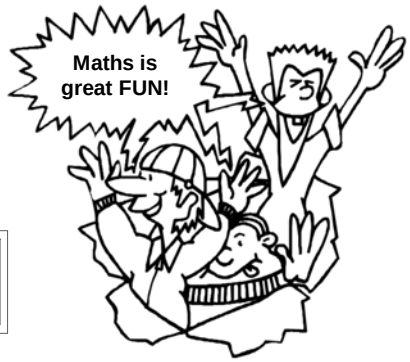
F: Dividing - mixed

(1) 8 ÷ 2 = _____
(2) 40 ÷ 5 = _____
(3) 30 ÷ 3 = _____
(4) 32 ÷ 4 = _____
(5) 12 ÷ 6 = _____
(6) 35 ÷ 7 = _____
(7) 64 ÷ 8 = _____
(8) 27 ÷ 9 = _____
(9) 14 ÷ 2 = _____
(10) 45 ÷ 5 = _____
(11) 3 ÷ 3 = _____
(12) 40 ÷ 4 = _____
(13) 48 ÷ 6 = _____
(14) 21 ÷ 7 = _____
(15) 56 ÷ 8 = _____
(16) 9 ÷ 9 = _____
(17) 10 ÷ 2 = _____
(18) 15 ÷ 5 = _____
(19) 12 ÷ 3 = _____
(20) 8 ÷ 4 = _____

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: _____ Class: _____

L4N1

(1) **Write** these number words as **decimal numbers**.

seventeen point five two six _____

six point three nine eight _____

(2) **Write** these decimal numbers as **number words**

0.459 _____

27.863 _____

(3) **Write** these decimals in order of **smallest** to **largest**.

1.33, 1.35, 1.38, 1.36, 1.37, 1.39, 1.34, 1.30

_____

(4) Prime numbers, multiples & factors

List the **prime numbers** between **2** and **15**. _____

List the first 5 **multiples** of **7**. _____

List the **factors** of **12**. _____

(5) **Calculate** the **squares** of these numbers.

8^2 _____ 12^2 _____ 7^2 _____

(6) **Calculate** the **square roots** of these numbers.

$\sqrt{36}$ _____ $\sqrt{100}$ _____ $\sqrt{64}$ _____

(7) **Adding** and **subtracting** decimals.

2.78 + 3.49 = _____ 8.41 - 4.09 = _____

57.87 + 59.76 = _____ 29.76 - 15.99 = _____

(8) **Multiplying** and **dividing** decimals.

16.43 × 3.5 _____

257.8 × 0.24 _____

$0.6\overline{)27.12}$ _____

$0.08\overline{)2.792}$ _____

(9) **Multiplying** and **dividing** by **10**, **100** or **1000**.

8.93 × 100 = _____ 14.5 ÷ 100 = _____

26.7 × 10 = _____ 9.03 ÷ 10 = _____

(10) **Multiplying** and **dividing** by **powers of 10**.

4.9 × 10^2 = _____ 7.3 ÷ 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)

28

A3 Name: _____ Class: _____

L4N1

(1) How much would 7 C.D.'s at $15.95 each cost? _____

(2) How much would 3 kilograms of meat at $13.75 per kilogram cost? _____

(3) If 8 exercise books cost $4.25, what is the cost of one exercise book? _____

(4) **Add** up Jan's shopping list / work out her change.

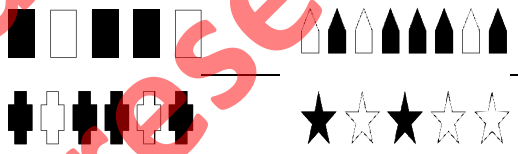
$21.95
$13.60
$12.65
$17.60
+ $9.85
_____

If Jan paid for her purchases with four $20.00 notes, how much change would she get back?

_____
- _____
_____

(5) **Shade** in $^3/_4$ 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 $35 = _____ $\frac{1}{3}$ of $48 = _____

(8) **Find** each fraction of these decimal numbers.

$\frac{1}{5}$ of $27.50 = _____ $\frac{1}{4}$ of $16.80 = _____

(9) If $24 is shared between four people, how much does each person get? _____

(10) If $35.70 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 $^3/_4$

Abbey scored 17 out of 25 in a test. _____

It rained 25 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)

18

A4 Name: _____ Class: _____

L4N1

(1) **Round** these numbers to the nearest **10**.

562 _____ 987 _____ 435 _____

(2) **Round** these numbers to the nearest 100.

950 _____ 423 _____ 248 _____

(3) **Round** these numbers to the nearest 1000.

4632 _____ 5147 _____ 6500 _____

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

495 + 713 _____ + _____ = _____

3609 - 489 _____ - _____ = _____

1075 × 19 _____ × _____ = _____

6105 ÷ 6 _____ ÷ _____ = _____

(5) **Order** of **operations**. BEDMAS

8 × 7 + 25 = _____ 45 ÷ 5 - 7 = _____

83 - 9 × 8 = _____ 75 - 63 ÷ 7 = _____

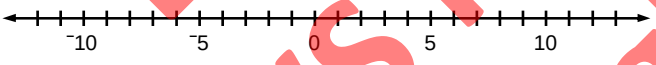
(6) **Calculate** the **new** temperature.

Starting temperature 5°C, **drops** 8°C. _____

Starting temperature $^{-}$4°C, **rises** 8°C. _____

Starting temperature $^{-}$3°C, **drops** 6°C. _____

(7) **Add** these positive and negative numbers



$^{-}$2 + 7 = _____ 4 + $^{-}$6 = _____

5 + $^{-}$8 = _____ $^{-}$7 + $^{-}$3 = _____

(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
72.73			61.83		
93.12			74.69		

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

A5 Name: _____ Class: _____

L4N1

(1) **Complete** each calculation to create **equivalent fractions**. *Example:* $^{1}/_{2} \times {}^{8}/_{8} = {}^{8}/_{16}$

$^{1}/_{4} \times {}^{6}/_{6} =$ _____ $^{1}/_{3} \times {}^{3}/_{3} =$ _____

$^{2}/_{3} \times {}^{2}/_{2} =$ _____ $^{3}/_{4} \times {}^{7}/_{7} =$ _____

$^{3}/_{5} \times {}^{8}/_{8} =$ _____ $^{7}/_{10} \times {}^{10}/_{10} =$ _____

(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: $^{1}/_{2} = 0.5$

$^{1}/_{4} =$ _____ $^{1}/_{2} =$ _____

$^{1}/_{3} =$ _____ $^{1}/_{10} =$ _____

$^{3}/_{4} =$ _____ $^{1}/_{5} =$ _____

(4) **Convert** these **decimals** to **fractions**.

Example: $0.5 = {}^{1}/_{2}$

0.1 = _____ 0.5 = _____

0.2 = _____ 0.33$\dot{3}$ = _____

0.25 = _____ 0.75 = _____

(5) **Convert** these **percentages** to **decimals**.

Example: 50% = 0.5

25% = _____ 60% = _____

50% = _____ 75% = _____

$33\frac{1}{3}\%$ = _____ 85% = _____

(6) **Convert** these **decimals** to **percentages**.

Example: 0.5 = 50%

0.5 = _____ 0.6 = _____

0.85 = _____ 0.33$\dot{3}$ = _____

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)

36

B2 Name: _____ Class: _____

L4N1

(1) **Write** these number words as **decimal numbers**.

zero point four five nine _____

twenty-seven point eight six three _____

(2) **Write** these decimal numbers as **number words**

43.765 _____

9.053 _____

(3) **Write** these decimals in order of **smallest** to **largest**.

2.57, 2.59, 2.54, 2.50, 2.53, 2.55, 2.58, 2.56

_____

(4) Prime numbers, multiples & factors

List the **prime numbers** between **9** and **20**. _____

List the first 5 **multiples** of **8**. _____

List the **factors** of **15**. _____

(5) **Calculate** the **squares** of these numbers.

8^2 _____ 10^2 _____ 6^2 _____

(6) **Calculate** the **square roots** of these numbers.

$\sqrt{81}$ _____ $\sqrt{25}$ _____ $\sqrt{121}$ _____

(7) **Adding** and **subtracting** decimals.

1.58 + 7.75 = _____ 8.24 - 6.42 = _____

84.96 + 38.28 = _____ 48.05 - 23.47 = _____

(8) **Multiplying** and **dividing** decimals.

35.49 × 5.4 _____

102.8 × 0.32 _____

$0.7\overline{)33.95}$ _____

$0.09\overline{)2.403}$ _____

(9) **Multiplying** and **dividing** by **10**, **100** or **1000**.

9.38 × 100 = _____ 67.2 ÷ 100 = _____

45.1 × 10 = _____ 3.09 ÷ 10 = _____

(10) **Multiplying** and **dividing** by **powers of 10**.

6.7×10^2 = _____ $9.2 \div 10^2$ = _____

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)

28

AWS

B3 Name: _____ Class: _____

L4N1

(1) How much would 7 C.D.'s at $16.45 each cost? _____

(2) How much would 3 kilograms of meat at $12.95 per kilogram cost? _____

(3) If 8 exercise books cost $9.20, what is the cost of one exercise book? _____

(4) **Add** up Jan's shopping list / work out her change.

$19.90
$13.65
$9.65
$24.55
+ $7.80
_____

If Jan paid for her purchases with four $20.00 notes, how much change would she get back?

_____

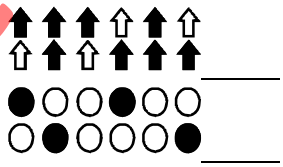
\- _____

_____

(5) **Shade** in $^2/_3$ 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 $48 = _____ $\frac{1}{2}$ of $35 = _____

(8) **Find** each fraction of these decimal numbers.

$\frac{1}{3}$ of $27.90 = _____ $\frac{1}{5}$ of $31.50 = _____

(9) If $24 is shared between eight people, how much does each person get? _____

(10) If $67.50 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 $^3/_4$

Abbey scored 19 out of 25 in a test. _____

It rained 20 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)

18

AWS

B4 Name: _____ Class: _____

L4N1

(1) **Round** these numbers to the nearest **10**.

631 _____ 145 _____ 936 _____

(2) **Round** these numbers to the nearest 100.

459 _____ 937 _____ 750 _____

(3) **Round** these numbers to the nearest 1000.

3782 _____ 2500 _____ 5269 _____

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

295 + 648 _____ + _____ = _____

9134 - 879 _____ - _____ = _____

4028 × 21 _____ × _____ = _____

6879 ÷ 7 _____ ÷ _____ = _____

(5) **Order** of **operations**. BEDMAS

9 × 7 + 34 = _____ 60 ÷ 5 - 9 = _____

92 - 8 × 8 = _____ 64 - 35 ÷ 7 = _____

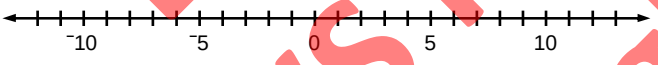
(6) **Calculate** the **new** temperature.

Starting temperature 4°C, **drops** 7°C. _____

Starting temperature $^{-}$5°C, **rises** 9°C. _____

Starting temperature $^{-}$2°C, **drops** 5°C. _____

(7) **Add** these positive and negative numbers



$^{-}$1 + 9 = _____ 5 + $^{-}$8 = _____

4 + $^{-}$7 = _____ $^{-}$6 + $^{-}$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
72.94			31.84		
85.70			84.74		

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: _____

L4N1

(1) **Complete** each calculation to create **equivalent fractions**. *Example:* $^{1}/_{2} \times {}^{8}/_{8} = {}^{8}/_{16}$

$^{1}/_{5} \times {}^{5}/_{5} =$ _____ $^{1}/_{4} \times {}^{3}/_{3} =$ _____

$^{3}/_{4} \times {}^{3}/_{3} =$ _____ $^{9}/_{10} \times {}^{6}/_{6} =$ _____

$^{2}/_{5} \times {}^{7}/_{7} =$ _____ $^{2}/_{3} \times {}^{9}/_{9} =$ _____

(2) **Match** these **equivalent fractions**.

Example: $^{1}/_{2} = {}^{8}/_{16}$

$^{3}/_{4} =$ _____ $^{4}/_{20} =$ _____

$^{8}/_{12} =$ _____ $^{1}/_{4} =$ _____

$^{2}/_{5} =$ _____ $^{10}/_{12} =$ _____

Answers:
$^{3}/_{12}$ $^{2}/_{3}$
$^{4}/_{10}$ $^{1}/_{5}$
$^{9}/_{12}$ $^{5}/_{6}$

(3) **Convert** these **fractions** to **decimals**.

Example: $^{1}/_{2} = 0.5$

$^{1}/_{2} =$ _____ $^{1}/_{5} =$ _____

$^{7}/_{10} =$ _____ $^{1}/_{4} =$ _____

$^{2}/_{3} =$ _____ $^{3}/_{4} =$ _____

(4) **Convert** these **decimals** to **fractions**.

Example: $0.5 = {}^{1}/_{2}$

0.25 = _____ 0.75 = _____

0.5 = _____ 0.2 = _____

0.66 = _____ 0.7 = _____

(5) **Convert** these **percentages** to **decimals**.

Example: 50% = 0.5

25% = _____ 50% = _____

5% = _____ 40% = _____

95% = _____ $66\frac{2}{3}$% = _____

(6) **Convert** these **decimals** to **percentages**.

Example: 0.5 = 50%

0.05 = _____ 0.95 = _____

0.66 = _____ 0.5 = _____

0.25 = _____ 0.4 = _____

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: _____

L4N1

(1) **Write** these number words as **decimal numbers**.

forty-three point seven six five _____

nine point zero five three _____

(2) **Write** these decimal numbers as **number words**

5.109 _____

76.438 _____

(3) **Write** these decimals in order of **smallest** to **largest**.

4.18, 4.16, 4.17, 4.19, 4.14, 4.10, 4.13, 4.15

_____

(4) Prime numbers, multiples & factors

List the **prime numbers** between **15** and **25**. _____

List the first 5 **multiples** of **6**. _____

List the **factors** of **24**. _____

(5) **Calculate** the **squares** of these numbers.

11^2 _____ 5^2 _____ 9^2 _____

(6) **Calculate** the **square roots** of these numbers.

$\sqrt{144}$ _____ $\sqrt{64}$ _____ $\sqrt{100}$ _____

(7) **Adding** and **subtracting** decimals.

2.78 + 4.83 = _____ 9.30 - 2.27 = _____

26.96 + 97.89 = _____ 47.63 - 23.96 = _____

(8) **Multiplying** and **dividing** decimals.

43.16 × 2.5 _____

287.5 × 0.43 _____

$0.6\overline{)38.10}$ _____

$0.09\overline{)4.455}$ _____

(9) **Multiplying** and **dividing** by **10**, **100** or **1000**.

9.21 × 100 = _____ 53.7 ÷ 100 = _____

64.9 × 10 = _____ 8.06 ÷ 10 = _____

(10) **Multiplying** and **dividing** by **powers of 10**.

5.1 × 10^2 = _____ 4.5 ÷ 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)

/28

AWS

C3 Name: _____ Class: _____

L4N1

(1) How much would 7 C.D.'s at $14.95 each cost? _____

(2) How much would 3 kilograms of meat at $11.65 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.

$9.95
$24.50
$2.90
$32.65
+ $5.95
_____

If Jan paid for her purchases with four $20.00 notes, how much change would she get back?

_____

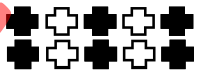
\- _____

_____

(5) **Shade** in $^3/_4$ 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 $45 = _____ $\frac{1}{4}$ of $60 = _____

(9) **Find** each fraction of these decimal numbers.

$\frac{1}{2}$ of $23.50 = _____ $\frac{1}{3}$ of $30.60 = _____

(9) If $24 is shared between six people, how much does each person get? _____

(10) If $46.80 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 $^3/_4$

Abbey scored 21 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)

/18

AWS

C4

Name: _____ Class: _____

L4N1

(1) **Round** these numbers to the nearest **10**.

941 _____ 477 _____ 265 _____

(2) **Round** these numbers to the nearest 100.

279 _____ 850 _____ 543 _____

(3) **Round** these numbers to the nearest 1000.

4500 _____ 1678 _____ 6309 _____

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

462 + 253 _____ + _____ = _____

7237 - 643 _____ - _____ = _____

5632 × 18 _____ × _____ = _____

8134 ÷ 8 _____ ÷ _____ = _____

(5) **Order** of **operations**.

BEDMAS

7 × 6 + 63 = _____ 55 ÷ 5 - 8 = _____

92 - 8 × 7 = _____ 65 - 42 ÷ 7 = _____

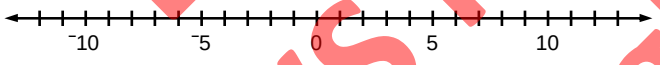
(6) **Calculate** the **new** temperature.

Starting temperature 4°C, **drops** 9°C. _____

Starting temperature $^{-}$6°C, **rises** 7°C. _____

Starting temperature $^{-}$2°C, **drops** 5°C. _____

(7) **Add** these positive and negative numbers



$^{-}$3 + 8 = _____ 5 + $^{-}$9 = _____

5 + $^{-}$6 = _____ $^{-}$8 + $^{-}$3 = _____

(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
45.46			72.43		
74.95			96.47		

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: _____

L4N1

(1) **Complete** each calculation to create **equivalent fractions**. *Example:* $^{1}/_{2} \times {}^{8}/_{8} = {}^{8}/_{16}$

$^{1}/_{2} \times {}^{3}/_{3} =$ _____ $^{1}/_{5} \times {}^{4}/_{4} =$ _____

$^{3}/_{5} \times {}^{2}/_{2} =$ _____ $^{2}/_{3} \times {}^{10}/_{10} =$ _____

$^{3}/_{4} \times {}^{9}/_{9} =$ _____ $^{7}/_{10} \times {}^{8}/_{8} =$ _____

(2) **Match** these **equivalent fractions**.

Example: $^{1}/_{2} = {}^{8}/_{16}$

$^{1}/_{5} =$ _____ $^{4}/_{10} =$ _____

$^{9}/_{12} =$ _____ $^{2}/_{3} =$ _____

$^{5}/_{6} =$ _____ $^{3}/_{12} =$ _____

Answers:
$^{3}/_{4}$ $^{1}/_{4}$
$^{4}/_{20}$ $^{8}/_{12}$
$^{10}/_{12}$ $^{2}/_{5}$

(3) **Convert** these **fractions** to **decimals**.

Example: $^{1}/_{2} = 0.5$

$^{1}/_{5} =$ _____ $^{1}/_{2} =$ _____

$^{3}/_{10} =$ _____ $^{1}/_{4} =$ _____

$^{3}/_{4} =$ _____ $^{1}/_{3} =$ _____

(4) **Convert** these **decimals** to **fractions**.

Example: $0.5 = {}^{1}/_{2}$

0.5 = _____ 0.25 = _____

0.66· = _____ 0.2 = _____

0.3 = _____ 0.75 = _____

(5) **Convert** these **percentages** to **decimals**.

Example: 50% = 0.5

50% = _____ 90% = _____

60% = _____ $33\frac{1}{3}$% = _____

25% = _____ 75% = _____

(6) **Convert** these **decimals** to **percentages**.

Example: 0.5 = 50%

0.9 = _____ 0.75 = _____

0.33· = _____ 0.6 = _____

0.25 = _____ 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: _____

L4N1

(1) **Write** these number words as **decimal numbers**.

five point one zero nine _____

seventy-six point four three eight _____

(2) **Write** these decimal numbers as **number words**

17.526 _____

6.398 _____

(3) **Write** these decimals in order of **smallest** to **largest**.

7.28, 7.26, 7.24, 7.20, 7.23, 7.25, 7.27, 7.29

_____

(4) Prime numbers, multiples & factors

List the **prime numbers** between **30** and **40**. _____

List the first 5 **multiples** of **9**. _____

List the **factors** of **18**. _____

(5) **Calculate** the **squares** of these numbers.

10^2 _____ 8^2 _____ 12^2 _____

(6) **Calculate** the **square roots** of these numbers.

$\sqrt{49}$ _____ $\sqrt{121}$ _____ $\sqrt{81}$ _____

(7) **Adding** and **subtracting** decimals.

3.69 + 3.78 = _____ 6.38 - 1.55 = _____

83.79 + 29.68 = _____ 65.02 - 43.54 = _____

(8) **Multiplying** and **dividing** decimals.

49.35 × 4.2 _____

180.2 × 0.53 _____

$0.7\overline{)44.73}$ _____

$0.08\overline{)4.624}$ _____

(9) **Multiplying** and **dividing** by **10**, **100** or **1000**.

7.08 × 100 = _____ 13.9 ÷ 100 = _____

24.9 × 10 = _____ 6.35 ÷ 10 = _____

(10) **Multiplying** and **dividing** by **powers of 10**.

2.8 × 10^2 = _____ 6.1 ÷ 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)

28

AWS

D3 Name: _____ Class: _____

L4N1

(1) How much would 7 C.D.'s at $17.25 each cost? _____

(2) How much would 3 kilograms of meat at $12.95 per kilogram cost? _____

(3) If 8 exercise books cost $7.60, what is the cost of one exercise book? _____

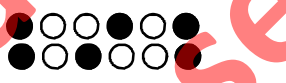
(4) **Add** up Jan's shopping list / work out her change.

$13.70
$19.65
$21.10
$19.65
+ $2.60
_____

If Jan paid for her purchases with four $20.00 notes, how much change would she get back? _____ - _____ _____

(5) **Shade** in $^2/_3$ 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 $27 = _____ $\frac{1}{5}$ of $60 = _____

(8) **Find** each fraction of these decimal numbers.

$\frac{1}{4}$ of $24.80 = _____ $\frac{1}{2}$ of $33.50 = _____

(9) If $24 is shared between ten people, how much does each person get? _____

(10) If $29.40 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 $^3/_4$

Abbey scored 23 out of 25 in a test. _____

It rained 10 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)

18

AWS

D4 Name: _____ Class: _____

L4N1

(1) **Round** these numbers to the nearest **10**.

384 _____ 941 _____ 675 _____

(2) **Round** these numbers to the nearest 100.

627 _____ 850 _____ 186 _____

(3) **Round** these numbers to the nearest 1000.

4961 _____ 2496 _____ 5500 _____

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

186 + 738 _____ + _____ = _____

4638 - 479 _____ - _____ = _____

1394 × 23 _____ × _____ = _____

8879 ÷ 9 _____ ÷ _____ = _____

(5) **Order** of **operations**.

BEDMAS

7 × 8 + 39 = _____ 50 ÷ 5 - 6 = _____

91 - 8 × 6 = _____ 81 - 56 ÷ 7 = _____

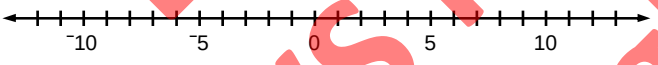
(6) **Calculate** the **new** temperature.

Starting temperature 4°C, **drops** 6°C. _____

Starting temperature $^{-}$3°C, **rises** 8°C. _____

Starting temperature $^{-}$2°C, **drops** 9°C. _____

(7) **Add** these positive and negative numbers



$^{-}$3 + 9 = _____ 4 + $^{-}$6 = _____

5 + $^{-}$8 = _____ $^{-}$9 + $^{-}$3 = _____

(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
94.04			96.25		
63.72			74.89		

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

D5 Name: _____ Class: _____

L4N1

(1) **Complete** each calculation to create **equivalent fractions**. *Example:* $^{1}/_{2} \times {}^{4}/_{4} = {}^{4}/_{8}$

$^{1}/_{3} \times {}^{4}/_{4} =$ _____ $^{1}/_{4} \times {}^{6}/_{6} =$ _____

$^{4}/_{5} \times {}^{5}/_{5} =$ _____ $^{3}/_{4} \times {}^{8}/_{8} =$ _____

$^{2}/_{3} \times {}^{7}/_{7} =$ _____ $^{9}/_{10} \times {}^{10}/_{10} =$ _____

(2) **Match** these **equivalent fractions**.

Example: $^{1}/_{2} = {}^{8}/_{16}$

$^{1}/_{4} =$ _____ $^{8}/_{12} =$ _____

$^{10}/_{12} =$ _____ $^{2}/_{5} =$ _____

$^{3}/_{4} =$ _____ $^{4}/_{20} =$ _____

Answers:
$^{3}/_{12}$ $^{2}/_{3}$
$^{4}/_{10}$ $^{1}/_{5}$
$^{9}/_{12}$ $^{5}/_{6}$

(3) **Convert** these **fractions** to **decimals**.

Example: $^{1}/_{2} = 0.5$

$^{1}/_{2} =$ _____ $^{1}/_{5} =$ _____

$^{1}/_{4} =$ _____ $^{9}/_{10} =$ _____

$^{2}/_{3} =$ _____ $^{3}/_{4} =$ _____

(4) **Convert** these **decimals** to **fractions**.

Example: $0.5 = {}^{1}/_{2}$

0.9 = _____ 0.75 = _____

0.5 = _____ 0.66$\dot{}$ = _____

0.25 = _____ 0.2 = _____

(5) **Convert** these **percentages** to **decimals**.

Example: 50% = 0.5

5% = _____ 75% = _____

$66\frac{2}{3}$% = _____ 40% = _____

25% = _____ 50% = _____

(6) **Convert** these **decimals** to **percentages**.

Example: 0.5 = 50%

0.75 = _____ 0.66$\dot{}$ = _____

0.25 = _____ 0.4 = _____

0.5 = _____ 0.05 = _____

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

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.

A1

Daily Number Revision Numeracy Skills Assessment

L4N1

Name: **Answers** Class:

A: Adding 3 digit numbers - no carrying

1.	310 + 429 =	**739**
2.	415 + 542 =	**957**
3.	634 + 304 =	**938**
4.	210 + 418 =	**628**
5.	753 + 103 =	**856**
6.	820 + 126 =	**846**
7.	202 + 647 =	**849**
8.	605 + 223 =	**828**
9.	531 + 126 =	**657**
10.	537 + 310 =	**847**

B: Adding 3 digit numbers - carrying

1.	679 + 456 =	**1135**
2.	794 + 957 =	**1751**
3.	169 + 988 =	**1157**
4.	867 + 378 =	**1245**
5.	795 + 935 =	**1730**
6.	678 + 579 =	**1257**
7.	986 + 826 =	**1812**
8.	827 + 598 =	**1425**
9.	498 + 868 =	**1366**
10.	399 + 749 =	**1148**

C: Subtracting 3 digit numbers - no renaming

1.	792 - 682 =	**110**
2.	678 - 448 =	**230**
3.	839 - 603 =	**236**
4.	694 - 154 =	**540**
5.	789 - 460 =	**329**
6.	517 - 301 =	**216**
7.	954 - 321 =	**633**
8.	873 - 301 =	**572**
9.	596 - 316 =	**280**
10.	758 - 402 =	**356**

D: Subtracting 3 digit numbers - renaming

1.	803 - 236 =	**567**
2.	913 - 454 =	**459**
3.	447 - 258 =	**189**
4.	525 - 197 =	**328**
5.	742 - 297 =	**445**
6.	604 - 478 =	**126**
7.	861 - 478 =	**383**
8.	725 - 348 =	**377**
9.	603 - 368 =	**235**
10.	961 - 594 =	**367**

E: Multiplying - mixed

1.	1 × 2 =	**2**
2.	6 × 5 =	**30**
3.	8 × 3 =	**24**
4.	4 × 4 =	**16**
5.	9 × 6 =	**54**
6.	2 × 7 =	**14**
7.	5 × 8 =	**40**
8.	7 × 9 =	**63**
9.	10 × 2 =	**20**
10.	2 × 5 =	**10**
11.	3 × 3 =	**9**
12.	7 × 4 =	**28**
13.	3 × 6 =	**18**
14.	8 × 7 =	**56**
15.	9 × 8 =	**72**
16.	4 × 9 =	**36**
17.	6 × 2 =	**12**
18.	10 × 5 =	**50**
19.	5 × 3 =	**15**
20.	0 × 4 =	**0**

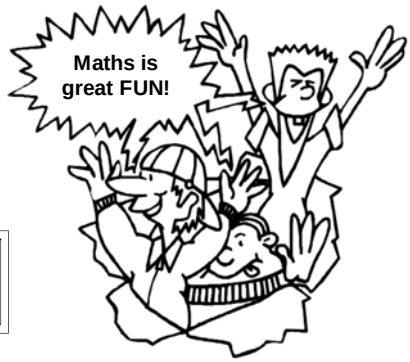
F: Dividing - mixed

1.	36 ÷ 6 =	**6**
2.	28 ÷ 7 =	**4**
3.	48 ÷ 8 =	**6**
4.	18 ÷ 9 =	**2**
5.	6 ÷ 2 =	**3**
6.	5 ÷ 5 =	**1**
7.	27 ÷ 3 =	**9**
8.	20 ÷ 4 =	**5**
9.	6 ÷ 6 =	**1**
10.	70 ÷ 7 =	**10**
11.	16 ÷ 8 =	**2**
12.	54 ÷ 9 =	**6**
13.	16 ÷ 2 =	**8**
14.	25 ÷ 5 =	**5**
15.	21 ÷ 3 =	**7**
16.	36 ÷ 4 =	**9**
17.	24 ÷ 6 =	**4**
18.	42 ÷ 7 =	**6**
19.	80 ÷ 8 =	**10**
20.	81 ÷ 9 =	**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)

80



B1

Daily Number Revision Numeracy Skills Assessment

L4N1

Name: **Answers** Class: _____

A: Adding 3 digit numbers - no carrying

1.	314 + 670 =	**984**
2.	407 + 252 =	**659**
3.	623 + 203 =	**826**
4.	581 + 303 =	**884**
5.	141 + 815 =	**956**
6.	410 + 317 =	**727**
7.	129 + 730 =	**859**
8.	326 + 521 =	**847**
9.	264 + 104 =	**368**
10.	620 + 253 =	**873**

B: Adding 3 digit numbers - carrying

1.	689 + 942 =	**1631**
2.	759 + 379 =	**1138**
3.	738 + 688 =	**1426**
4.	853 + 659 =	**1512**
5.	785 + 479 =	**1264**
6.	978 + 179 =	**1157**
7.	949 + 467 =	**1416**
8.	586 + 669 =	**1255**
9.	952 + 888 =	**1840**
10.	568 + 967 =	**1535**

C: Subtracting 3 digit numbers - no renaming

1.	758 - 257 =	**501**
2.	376 - 275 =	**101**
3.	592 - 491 =	**101**
4.	862 - 430 =	**432**
5.	754 - 512 =	**242**
6.	691 - 271 =	**420**
7.	784 - 313 =	**471**
8.	947 - 203 =	**744**
9.	983 - 603 =	**380**
10.	569 - 102 =	**467**

D: Subtracting 3 digit numbers - renaming

1.	318 - 129 =	**189**
2.	921 - 439 =	**482**
3.	404 - 156 =	**248**
4.	813 - 679 =	**134**
5.	652 - 498 =	**154**
6.	931 - 576 =	**355**
7.	773 - 585 =	**188**
8.	826 - 268 =	**558**
9.	514 - 337 =	**177**
10.	602 - 325 =	**277**

E: Multiplying - mixed

1.	4 × 2 =	**8**
2.	8 × 5 =	**40**
3.	10 × 3 =	**30**
4.	8 × 4 =	**32**
5.	2 × 6 =	**12**
6.	5 × 7 =	**35**
7.	8 × 8 =	**64**
8.	3 × 9 =	**27**
9.	7 × 2 =	**14**
10.	9 × 5 =	**45**
11.	0 × 3 =	**0**
12.	10 × 4 =	**40**
13.	8 × 6 =	**48**
14.	3 × 7 =	**21**
15.	7 × 8 =	**56**
16.	1 × 9 =	**9**
17.	5 × 2 =	**10**
18.	3 × 5 =	**15**
19.	4 × 3 =	**12**
20.	2 × 4 =	**8**

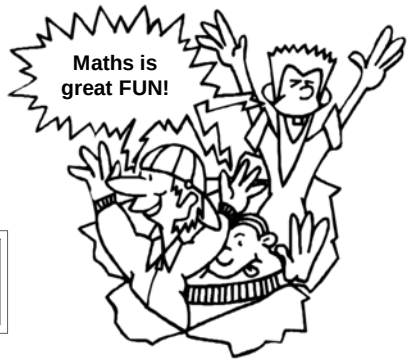
F: Dividing - mixed

1.	30 ÷ 6 =	**5**
2.	7 ÷ 7 =	**1**
3.	24 ÷ 8 =	**3**
4.	90 ÷ 9 =	**10**
5.	4 ÷ 2 =	**2**
6.	35 ÷ 5 =	**7**
7.	6 ÷ 3 =	**2**
8.	24 ÷ 4 =	**6**
9.	42 ÷ 6 =	**7**
10.	63 ÷ 7 =	**9**
11.	8 ÷ 8 =	**1**
12.	72 ÷ 9 =	**8**
13.	18 ÷ 2 =	**9**
14.	20 ÷ 5 =	**4**
15.	18 ÷ 3 =	**6**
16.	12 ÷ 4 =	**3**
17.	60 ÷ 6 =	**10**
18.	49 ÷ 7 =	**7**
19.	32 ÷ 8 =	**4**
20.	45 ÷ 9 =	**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

Daily Number Revision Numeracy Skills Assessment

L4N1

Name: **Answers** Class:

A: Adding 3 digit numbers - no carrying

1.	103 + 294 =	**397**
2.	154 + 425 =	**579**
3.	436 + 403 =	**839**
4.	102 + 184 =	**286**
5.	357 + 301 =	**658**
6.	208 + 261 =	**469**
7.	202 + 746 =	**948**
8.	506 + 442 =	**948**
9.	315 + 261 =	**576**
10.	375 + 103 =	**478**

B: Adding 3 digit numbers - carrying

1.	796 + 564 =	**1360**
2.	947 + 579 =	**1526**
3.	691 + 889 =	**1580**
4.	678 + 783 =	**1461**
5.	957 + 359 =	**1316**
6.	786 + 795 =	**1581**
7.	867 + 268 =	**1135**
8.	278 + 985 =	**1263**
9.	984 + 688 =	**1672**
10.	993 + 497 =	**1490**

C: Subtracting 3 digit numbers - no renaming

1.	729 - 628 =	**101**
2.	687 - 484 =	**203**
3.	893 - 630 =	**263**
4.	649 - 145 =	**504**
5.	798 - 406 =	**392**
6.	571 - 310 =	**261**
7.	945 - 312 =	**633**
8.	837 - 310 =	**527**
9.	569 - 361 =	**208**
10.	785 - 420 =	**365**

D: Subtracting 3 digit numbers - renaming

1.	830 - 263 =	**522**
2.	931 - 445 =	**485**
3.	474 - 285 =	**189**
4.	552 - 179 =	**373**
5.	724 - 279 =	**445**
6.	640 - 487 =	**153**
7.	816 - 587 =	**229**
8.	752 - 384 =	**368**
9.	630 - 386 =	**244**
10.	916 - 549 =	**367**

E: Multiplying - mixed

1.	6 × 6 =	**36**
2.	4 × 7 =	**28**
3.	6 × 8 =	**48**
4.	2 × 9 =	**19**
5.	3 × 2 =	**6**
6.	0 × 5 =	**0**
7.	9 × 3 =	**27**
8.	5 × 4 =	**20**
9.	1 × 6 =	**6**
10.	10 × 7 =	**70**
11.	2 × 8 =	**16**
12.	6 × 9 =	**54**
13.	8 × 2 =	**16**
14.	5 × 5 =	**25**
15.	7 × 3 =	**21**
16.	9 × 4 =	**36**
17.	4 × 6 =	**24**
18.	6 × 7 =	**42**
19.	10 × 8 =	**80**
20.	9 × 9 =	**81**

F: Dividing - mixed

1.	2 ÷ 2 =	**1**
2.	30 ÷ 5 =	**6**
3.	24 ÷ 3 =	**8**
4.	16 ÷ 4 =	**4**
5.	54 ÷ 6 =	**9**
6.	14 ÷ 7 =	**2**
7.	40 ÷ 8 =	**5**
8.	63 ÷ 9 =	**7**
9.	20 ÷ 2 =	**10**
10.	10 ÷ 5 =	**2**
11.	9 ÷ 3 =	**3**
12.	28 ÷ 4 =	**7**
13.	18 ÷ 6 =	**3**
14.	56 ÷ 7 =	**8**
15.	72 ÷ 8 =	**9**
16.	36 ÷ 9 =	**4**
17.	12 ÷ 2 =	**6**
18.	50 ÷ 5 =	**10**
19.	15 ÷ 3 =	**5**
20.	4 ÷ 4 =	**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**)
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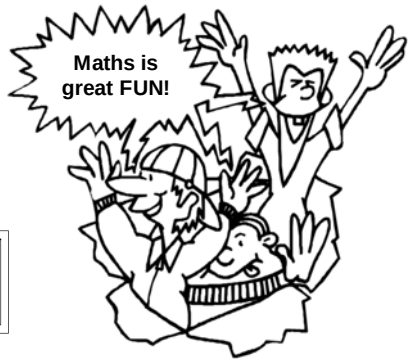
80



D1

Daily Number Revision Numeracy Skills Assessment

L4N1

Name: **Answers** Class: _____

A: Adding 3 digit numbers - no carrying

1.	143 + 706 =	**849**
2.	704 + 252 =	**956**
3.	326 + 302 =	**628**
4.	158 + 330 =	**488**
5.	411 + 158 =	**569**
6.	104 + 173 =	**277**
7.	291 + 307 =	**598**
8.	263 + 215 =	**478**
9.	462 + 401 =	**863**
10.	206 + 532 =	**738**

B: Adding 3 digit numbers - carrying

1.	896 + 429 =	**1325**
2.	597 + 793 =	**1390**
3.	387 + 886 =	**1273**
4.	538 + 596 =	**1134**
5.	857 + 794 =	**1651**
6.	789 + 791 =	**1580**
7.	499 + 674 =	**1173**
8.	865 + 696 =	**1561**
9.	529 + 888 =	**1417**
10.	685 + 679 =	**1364**

C: Subtracting 3 digit numbers - no renaming

1.	785 - 275 =	**510**
2.	367 - 257 =	**110**
3.	529 - 419 =	**110**
4.	826 - 403 =	**423**
5.	745 - 521 =	**224**
6.	619 - 217 =	**402**
7.	748 - 331 =	**417**
8.	974 - 230 =	**744**
9.	938 - 630 =	**308**
10.	596 - 120 =	**476**

D: Subtracting 3 digit numbers - renaming

1.	381 - 192 =	**189**
2.	912 - 493 =	**419**
3.	440 - 165 =	**275**
4.	831 - 697 =	**134**
5.	625 - 489 =	**136**
6.	913 - 567 =	**346**
7.	737 - 558 =	**179**
8.	862 - 286 =	**576**
9.	541 - 373 =	**168**
10.	620 - 352 =	**268**

E: Multiplying - mixed

1.	5	×	6	=	**30**	11.	1	×	8	=	**8**
2.	1	×	7	=	**7**	12.	8	×	9	=	**72**
3.	3	×	8	=	**24**	13.	9	×	2	=	**18**
4.	10	×	9	=	**90**	14.	4	×	5	=	**20**
5.	2	×	2	=	**4**	15.	6	×	3	=	**18**
6.	7	×	5	=	**35**	16.	3	×	4	=	**12**
7.	2	×	3	=	**6**	17.	10	×	6	=	**60**
8.	6	×	4	=	**24**	18.	7	×	7	=	**49**
9.	7	×	6	=	**42**	19.	4	×	8	=	**32**
10.	9	×	7	=	**63**	20.	5	×	9	=	**45**

F: Dividing - mixed

1.	8	÷	2	=	**4**	11.	3	÷	3	=	**1**
2.	40	÷	5	=	**8**	12.	40	÷	4	=	**10**
3.	30	÷	3	=	**10**	13.	48	÷	6	=	**8**
4.	32	÷	4	=	**8**	14.	21	÷	7	=	**3**
5.	12	÷	6	=	**2**	15.	56	÷	8	=	**7**
6.	35	÷	7	=	**5**	16.	9	÷	9	=	**1**
7.	64	÷	8	=	**8**	17.	10	÷	2	=	**5**
8.	27	÷	9	=	**3**	18.	15	÷	5	=	**3**
9.	14	÷	2	=	**7**	19.	12	÷	3	=	**4**
10.	45	÷	5	=	**9**	20.	8	÷	4	=	**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)
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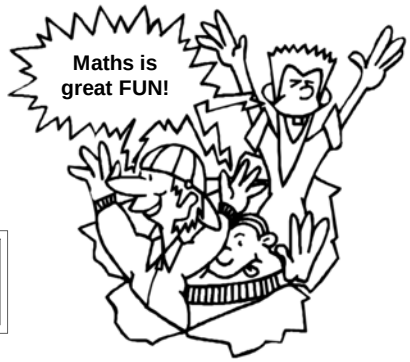
80



Number Assessment

A2 Name: **Answers** Class:

L4N1

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

seventeen point five two six **17.526**

six point three nine eight **6.398**

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

0.459 **zero point four five nine**

27.863 **twenty-seven point eight six three**

3. **Write** these decimals in order of **smallest** to **largest.**

1.33, 1.35, 1.38, 1.36, 1.37, 1.39, 1.34, 1.30

1.30, 1.33, 1.34, 1.35, 1.36, 1.37, 1.38, 1.39

4. Prime numbers, multiples & factors

List the **prime numbers** between **2** and **15.** **3, 5, 7, 11, 13**

List the first 5 **multiples** of **7.** **7, 14, 21, 28, 35**

List the **factors** of **12.** **1,2,3,4,6,12**

5. **Calculate** the **squares** of these numbers.

8^2 **64** 12^2 **144** 7^2 **49**

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

√36 **6** √100 **10** √64 **8**

7. **Adding** and **subtracting** decimals.

2.78 + 3.49 = **6.27** 8.41 - 4.09 = **4.32**

57.87 + 59.76 = **117.63** 29.76 - 15.99 = **13.77**

8. **Multiplying** and **dividing** decimals.

16.43 × 3.5 = **8215** + **49290** = **57.505**

257.8 × 0.24 = **10312** + **51560** = **61.872**

0.6 | 27.12 = **45.2**

0.08 | 2.792 = **34.9**

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

8.93 × 100 = **893** 14.5 ÷ 100 = **0.145**

26.7 × 10 = **267** 9.03 ÷ 10 = **0.903**

10. **Multiplying** and **dividing** by **powers of 10.**

4.9 × 10^2 = **490** 7.3 ÷ 10^2 = **0.073**

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

Number Assessment

A3 Name: **Answers** Class:

L4N1

1. How much would 7 C.D.'s at $15.95 each cost? **$111.65**

2. How much would 3 kilograms of meat at $13.75 per kilogram cost? **$41.25**

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.

$21.95
$13.60
$12.65
$17.60
+ $9.85
$75.65

If Jan paid for her purchases with four $20.00 notes, how much change would she get back?

$80.00
- $ 75.65
$4.35

5. **Shade** in $^3/_4$ of this group of shapes.

6. What **fraction** of each group of shapes is shaded? (Simplify your answer)

$^3/_5$ $^1/_2$ $^2/_3$ $^2/_5$

7. **Find** each fraction of these whole numbers.

$\frac{1}{2}$ of $35 = **$17.50** $\frac{1}{3}$ of $48 = **$16**

8. **Find** each fraction of these decimal numbers.

$\frac{1}{5}$ of $27.50 = **$5.50** $\frac{1}{4}$ of $16.80 = **$4.20**

9. If $24 is shared between four people, how much does each person get? **$6**

10. If $35.70 is shared between seven people, how much does each person get? **$5.10**

11. **Read** each statement and **write** the information as a **fraction.** *Example:* 3 out of 4 is written as $^3/_4$

Abbey scored 17 out of 25 in a test. $^{17}/_{25}$

It rained 25 days out of 30 days. $^{25}/_{30}$

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

A4 Name: **Answers** Class:

L4N1

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

562 **560** 987 **990** 435 **440**

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

950 **1000** 423 **400** 248 **200**

3. **Round** these numbers to the nearest 1000.

4632 **5000** 5147 **5000** 6500 **7000**

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

495 + 713	500	+	700	=	**1200**
3609 - 489	3600	-	500	=	**3100**
1075 × 19	1000	×	20	=	**20000**
6105 ÷ 6	6000	÷	6	=	**1000**

5. **Order** of **operations**.

8 × 7 + 25 = **81** 45 ÷ 5 - 7 = **2**

83 - 9 × 8 = **11** 75 - 63 ÷ 7 = **66**

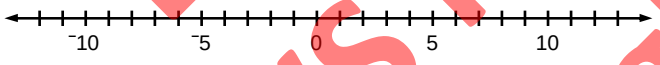
6. **Calculate** the **new** temperature.

Starting temperature 5°C, **drops** 8°C. **⁻3°C**

Starting temperature ⁻4°C, **rises** 8°C. **4°C**

Starting temperature ⁻3°C, **drops** 6°C. **⁻9°C**

7. **Add** these positive and negative numbers



⁻2 + 7 = **5** 4 + ⁻6 = **⁻2**

5 + ⁻8 = **⁻3** ⁻7 + ⁻3 = **⁻10**

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
72.73	**$^1/_{100}$'s**	**$^3/_{100}$**	61.83	**1's**	**1**
93.12	**10's**	**90**	74.69	**$^1/_{10}$'s**	**$^6/_{10}$**

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

A5 Name: **Answers** Class:

L4N1

1. **Complete** each calculation to create **equivalent fractions**. *Example:* $^1/_2 \times {}^8/_8 = {}^8/_{16}$

$^1/_4 \times {}^6/_6 =$ **$^6/_{24}$** $^1/_3 \times {}^3/_3 =$ **$^3/_9$**

$^2/_3 \times {}^2/_2 =$ **$^4/_6$** $^3/_4 \times {}^7/_7 =$ **$^{21}/_{28}$**

$^3/_5 \times {}^8/_8 =$ **$^{24}/_{40}$** $^7/_{10} \times {}^{10}/_{10} =$ **$^{70}/_{100}$**

2. **Match** these **equivalent fractions**.

Example: $^1/_2 = {}^8/_{16}$

$^3/_{12} =$ **$^1/_4$** $^1/_5 =$ **$^4/_{20}$**

$^2/_3 =$ **$^8/_{12}$** $^9/_{12} =$ **$^3/_4$**

$^4/_{10} =$ **$^2/_5$** $^5/_6 =$ **$^{10}/_{12}$**

Answers: $^3/_4$ $^1/_4$ $^4/_{20}$ $^8/_{12}$ $^{10}/_{12}$ $^2/_5$

3. **Convert** these **fractions** to **decimals**.

Example: $^1/_2 = 0.5$

$^1/_4 =$ **0.25** $^1/_2 =$ **0.5**

$^1/_3 =$ **0.33·** $^1/_{10} =$ **0.1**

$^3/_4 =$ **0.75** $^1/_5 =$ **0.2**

4. **Convert** these **decimals** to **fractions**.

Example: $0.5 = {}^1/_2$

0.1 = **$^1/_{10}$** 0.5 = **$^1/_2$**

0.2 = **$^1/_5$** 0.33· = **$^1/_3$**

0.25 = **$^1/_4$** 0.75 = **$^3/_4$**

5. **Convert** these **percentages** to **decimals**.

Example: 50% = 0.5

25% = **0.25** 60% = **0.6**

50% = **0.5** 75% = **0.75**

$33\frac{1}{3}\%$ = **0.33·** 85% = **0.85**

6. **Convert** these **decimals** to **percentages**.

Example: 0.5 = 50%

0.5 = **50%** 0.6 = **60%**

0.85 = **85%** 0.33· = **$33\frac{1}{3}\%$**

0.25 = **25%** 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)

36

B2 Name: **Answers** Class:

L4N1

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

zero point four five nine **0.459**

twenty-seven point eight six three **27.863**

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

43.765 **forty-three point seven six five**

9.053 **nine point zero five three**

3. **Write** these decimals in order of **smallest** to **largest.**

2.57, 2.59, 2.54, 2.50, 2.53, 2.55, 2.58, 2.56

2.50, 2.53, 2.54, 2.55, 2.56, 2.57, 2.58, 2.59

4. Prime numbers, multiples & factors

List the **prime numbers** between **9** and **20.** **11, 13, 17, 19**

List the first 5 **multiples** of **8.** **8, 16, 24, 32, 40**

List the **factors** of **15.** **1, 3, 5, 15**

5. **Calculate** the **squares** of these numbers.

8^2 **64** 10^2 **100** 6^2 **36**

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

$\sqrt{81}$ **9** $\sqrt{25}$ **5** $\sqrt{121}$ **11**

7. **Adding** and **subtracting** decimals.

1.58 + 7.75 = **9.33** 8.24 - 6.42 = **1.82**

84.96 + 38.28 = **123.24** 48.05 -23.47 = **24.58**

8. **Multiplying** and **dividing** decimals.

35.49 × 5.4	102.8 × 0.32	0.7) 33.95
14196	2056	48.5
177450	30840	26.7
191.646	32.896	0.09) 2.403

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

9.38 × 100 = **938** 67.2 ÷ 100 = **0.672**

45.1 × 10 = **451** 3.09 ÷ 10 = **0.309**

10. **Multiplying** and **dividing** by **powers of 10.**

6.7 × 10^2 = **670** 9.2 ÷ 10^2 = **0.092**

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

AWS

B3 Name: **Answers** Class:

L4N1

1. How much would 7 C.D.'s at $16.45 each cost? **$115.15**

2. How much would 3 kilograms of meat at $12.95 per kilogram cost? **$38.85**

3. If 8 exercise books cost $9.20, what is the cost of one exercise book? **$1.15**

4. **Add** up Jan's shopping list / work out her change.

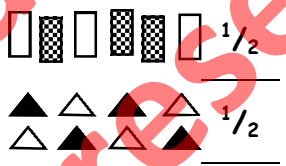
$19.90
$13.65
$9.65
$24.55
+ $7.80
$75.55

If Jan paid for her purchases with four $20.00 notes, how much change would she get back?

$80.00
- $75.55
$4.45

5. **Shade** in $^2/_3$ of this group of shapes.

6. What **fraction** of each group of shapes is shaded? (Simplify your answer)



$^1/_2$ $^2/_3$ $^1/_2$ $^1/_3$

7. **Find** each fraction of these whole numbers.

$\frac{1}{4}$ of $48 = **$12** $\frac{1}{2}$ of $35 = **$17.50**

8. **Find** each fraction of these decimal numbers.

$\frac{1}{3}$ of $27.90 = **$9.30** $\frac{1}{5}$ of $31.50 = **$6.30**

9. If $24 is shared between eight people, how much does each person get? **$3**

10. If $67.50 is shared between five people, how much does each person get? **$13.50**

11. **Read** each statement and **write** the information as a **fraction.** *Example:* 3 out of 4 is written as $^3/_4$

Abbey scored 19 out of 25 in a test. $^{19}/_{25}$

It rained 20 days out of 30 days. $^{20}/_{30}$

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

AWS

B4 Name: **Answers** Class:

L4N1

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

631 **630** 145 **150** 936 **940**

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

459 **500** 937 **900** 750 **800**

3. **Round** these numbers to the nearest 1000.

3782 **4000** 2500 **3000** 5269 **5000**

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

295 + 648	300	+	650	=	**950**
9134 - 879	9000	-	900	=	**8100**
4028 × 21	4000	×	20	=	**80000**
6879 ÷ 7	7000	÷	7	=	**1000**

5. **Order** of **operations**.

BEDMAS

$9 \times 7 + 34$ = **97** $60 \div 5 - 9$ = **3**

$92 - 8 \times 8$ = **28** $64 - 35 \div 7$ = **59**

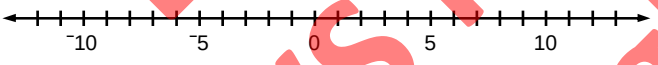
6. **Calculate** the **new** temperature.

Starting temperature 4°C, **drops** 7°C. **$^{-}$3°C**

Starting temperature $^{-}$5°C, **rises** 9°C. **4°C**

Starting temperature $^{-}$2°C, **drops** 5°C. **$^{-}$7°C**

7. **Add** these positive and negative numbers



$^{-}1 + 9$ = **8** $5 + {}^{-}8$ = **$^{-}$3**

$4 + {}^{-}7$ = **$^{-}$3** $^{-}6 + {}^{-}4$ = **$^{-}$10**

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
72.94	**1's**	**2**	31.84	**$^1/_{100}$'s**	**$^4/_{100}$**
85.70	**$^1/_{10}$'s**	**$^7/_{10}$**	84.74	**10's**	**80**

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:

L4N1

1. **Complete** each calculation to create **equivalent fractions**. *Example:* $^1/_2 \times {}^8/_8 = {}^8/_{16}$

$^1/_5 \times {}^5/_5$ = **$^5/_{25}$** $^1/_4 \times {}^3/_3$ = **$^3/_{12}$**

$^3/_4 \times {}^3/_3$ = **$^9/_{12}$** $^9/_{10} \times {}^6/_6$ = **$^{54}/_{60}$**

$^2/_5 \times {}^7/_7$ = **$^{14}/_{35}$** $^2/_3 \times {}^9/_9$ = **$^{18}/_{27}$**

2. **Match** these **equivalent fractions**.

Example: $^1/_2 = {}^8/_{16}$

$^3/_4$ = **$^9/_{12}$** $^4/_{20}$ = **$^1/_5$**

$^8/_{12}$ = **$^2/_3$** $^1/_4$ = **$^3/_{12}$**

$^2/_5$ = **$^4/_{10}$** $^{10}/_{12}$ = **$^5/_6$**

Answers: $^3/_{12}$ $^2/_3$ $^4/_{10}$ $^1/_5$ $^9/_{12}$ $^5/_6$

3. **Convert** these **fractions** to **decimals**.

Example: $^1/_2 = 0.5$

$^1/_2$ = **0.5** $^1/_5$ = **0.2**

$^7/_{10}$ = **0.7** $^1/_4$ = **0.25**

$^2/_3$ = **$0.66\dot{}$** $^3/_4$ = **0.75**

4. **Convert** these **decimals** to **fractions**.

Example: $0.5 = {}^1/_2$

0.25 = **$^1/_4$** 0.75 = **$^3/_4$**

0.5 = **$^1/_2$** 0.2 = **$^1/_5$**

$0.66\dot{}$ = **$^2/_3$** 0.7 = **$^7/_{10}$**

5. **Convert** these **percentages** to **decimals**.

Example: 50% = 0.5

25% = **0.25** 50% = **0.5**

5% = **0.05** 40% = **0.4**

95% = **0.95** $66\frac{2}{3}\%$ = **$0.66\dot{}$**

6. **Convert** these **decimals** to **percentages**.

Example: 0.5 = 50%

0.05 = **5%** 0.95 = **95%**

$0.66\dot{}$ = **$66\frac{2}{3}\%$** 0.5 = **50%**

0.25 = **25%** 0.4 = **40%**

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:

L4N1

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

forty-three point seven six five **43.765**

nine point zero five three **9.053**

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

5.109 **five point one zero nine**

76.438 **seventy-six point four three eight**

3. **Write** these decimals in order of **smallest** to **largest.**

4.18, 4.16, 4.17, 4.19, 4.14, 4.10, 4.13, 4.15

4.10, 4.13, 4.14, 4.15, 4.16, 4.17, 4.18, 4.19

4. Prime numbers, multiples & factors

List the **prime numbers** between **15** and **25.** **17, 19, 23**

List the first 5 **multiples** of **6.** **6, 12, 18, 24, 30**

List the **factors** of **24.** **1,2,3,4,6,8,12,24**

5. **Calculate** the **squares** of these numbers.

11^2 **121** 5^2 **25** 9^2 **81**

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

$\sqrt{144}$ **12** $\sqrt{64}$ **8** $\sqrt{100}$ **10**

7. **Adding** and **subtracting** decimals.

2.78 + 4.83 = **7.61** 9.30 - 2.27 = **7.03**

26.96 + 97.89 = **124.85** 47.63 - 23.96 = **23.67**

8. **Multiplying** and **dividing** decimals.

43.16 × 2.5	287.5 × 0.43	0.6) 38.10
21580	8625	63.5
86320	115000	49.5
107.900	123.625	0.09) 4.455

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

9.21 × 100 = **921** 53.7 ÷ 100 = **0.537**

64.9 × 10 = **649** 8.06 ÷ 10 = **0.806**

10. **Multiplying** and **dividing** by **powers of 10.**

5.1 × 10^2 = **510** 4.5 ÷ 10^2 = **0.045**

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:

L4N1

1. How much would 7 C.D.'s at $14.95 each cost? **$104.65**

2. How much would 3 kilograms of meat at $11.65 per kilogram cost? **$34.95**

3. If 8 exercise books cost $8.40, what is the cost of one exercise book? **$1.05**

4. **Add** up Jan's shopping list / work out her change.

$9.95
$24.50
$2.90
$32.65
+ $5.95
$75.95

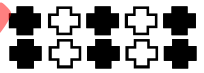
If Jan paid for her purchases with four $20.00 notes, how much change would she get back?

$80.00
- $75.95
$4.05

5. **Shade** in $^3/_4$ of this group of shapes.

6. What **fraction** of each group of shapes is shaded? (Simplify your answer)


$^2/_3$


$^3/_5$


$^1/_2$


$^1/_3$

7. **Find** each fraction of these whole numbers.

$\frac{1}{5}$ of $45 = **$9** $\frac{1}{4}$ of $60 = **$15**

8. **Find** each fraction of these decimal numbers.

$\frac{1}{2}$ of $23.50 = **$11.75** $\frac{1}{3}$ of $30.60 = **$10.20**

9. If $24 is shared between six people, how much does each person get? **$4**

10. If $46.80 is shared between nine people, how much does each person get? **$5.20**

11. **Read** each statement and **write** the information as a **fraction.** *Example:* 3 out of 4 is written as $^3/_4$

Abbey scored 21 out of 25 in a test. **$^{21}/_{25}$**

It rained 15 days out of 30 days. **$^{15}/_{30}$**

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)

18

C4 Name: **Answers** Class:

L4N1

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

941 **940** 477 **480** 265 **270**

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

279 **300** 850 **900** 543 **500**

3. **Round** these numbers to the nearest 1000.

4500 **5000** 1678 **2000** 6309 **6000**

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

462 + 253	460	+ 250	=	**710**
7237 - 643	7000	- 600	=	**6400**
5632 × 18	6000	× 20	=	**120000**
8134 ÷ 8	8000	÷ 8	=	**1000**

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

7 × 6 + 63 = **105** 55 ÷ 5 - 8 = **3**

92 - 8 × 7 = **36** 65 - 42 ÷ 7 = **59**

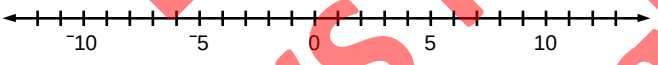
6. **Calculate** the **new** temperature.

Starting temperature 4°C, **drops** 9°C. **⁻5°C**

Starting temperature ⁻6°C, **rises** 7°C. **1°C**

Starting temperature ⁻2°C, **drops** 5°C. **⁻7°C**

7. **Add** these positive and negative numbers



⁻3 + 8 = **5** 5 + ⁻9 = **⁻4**

5 + ⁻6 = **⁻1** ⁻8 + ⁻3 = **⁻11**

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
45.46	**$^1/_{100}$'s**	**$^6/_{100}$**	72.43	**1's**	**2**
74.95	**10's**	**70**	96.47	**$^1/_{10}$'s**	**$^4/_{10}$**

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:

L4N1

1. **Complete** each calculation to create **equivalent fractions**. *Example:* $^1/_2 \times {}^8/_8 = {}^8/_{16}$

$^1/_2 \times {}^3/_3 =$ **$^3/_6$** $^1/_5 \times {}^4/_4 =$ **$^4/_{20}$**

$^3/_5 \times {}^2/_2 =$ **$^6/_{10}$** $^2/_3 \times {}^{10}/_{10} =$ **$^{20}/_{30}$**

$^3/_4 \times {}^9/_9 =$ **$^{27}/_{36}$** $^7/_{10} \times {}^8/_8 =$ **$^{56}/_{80}$**

2. **Match** these **equivalent fractions**.

Example: $^1/_2 = {}^8/_{16}$

$^1/_5 =$ **$^4/_{20}$** $^4/_{10} =$ **$^2/_5$**

$^9/_{12} =$ **$^3/_4$** $^2/_3 =$ **$^8/_{12}$**

$^5/_6 =$ **$^{10}/_{12}$** $^3/_{12} =$ **$^1/_4$**

Answers: $^3/_4$ $^1/_4$ $^4/_{20}$ $^8/_{12}$ $^{10}/_{12}$ $^2/_5$

3. **Convert** these **fractions** to **decimals**.

Example: $^1/_2 = 0.5$

$^1/_5 =$ **0.2** $^1/_2 =$ **0.5**

$^3/_{10} =$ **0.3** $^1/_4 =$ **0.25**

$^3/_4 =$ **0.75** $^1/_3 =$ **0.33·**

4. **Convert** these **decimals** to **fractions**.

Example: $0.5 = {}^1/_2$

0.5 = **$^1/_2$** 0.25 = **$^1/_4$**

0.66· = **$^2/_3$** 0.2 = **$^1/_5$**

0.3 = **$^3/_{10}$** 0.75 = **$^3/_4$**

5. **Convert** these **percentages** to **decimals**.

Example: 50% = 0.5

50% = **0.5** 90% = **0.9**

60% = **0.6** $33\frac{1}{3}\%$ = **0.33·**

25% = **0.25** 75% = **0.75**

6. **Convert** these **decimals** to **percentages**.

Example: 0.5 = 50%

0.9 = **90%** 0.75 = **75%**

0.33· = **$33\frac{1}{3}\%$** 0.6 = **60%**

0.25 = **25%** 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

Number Assessment

D2 Name: **Answers** Class:

L4N1

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

five point one zero nine **5.109**

seventy-six point four three eight **76.438**

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

17.526 **seventeen point five two six**

6.398 **six point three nine eight**

3. **Write** these decimals in order of **smallest** to **largest.**

7.28, 7.26, 7.24, 7.20, 7.23, 7.25, 7.27, 7.29

7.20, 7.23, 7.24, 7.25, 7.26, 7.27, 7.28, 7.29

4. Prime numbers, multiples & factors

List the **prime numbers** between **30** and **40.** **31, 37**

List the first 5 **multiples** of **9.** **9, 18, 27, 36, 45**

List the **factors** of **18.** **1,2,3,6,9,18**

5. **Calculate** the **squares** of these numbers.

10^2 **100** 8^2 **64** 12^2 **144**

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

$\sqrt{49}$ **7** $\sqrt{121}$ **11** $\sqrt{81}$ **9**

7. **Adding** and **subtracting** decimals.

3.69 + 3.78 = **7.47** 6.38 - 1.55 = **4.83**

83.79 + 29.68 = **113.47** 65.02 - 43.54 = **21.48**

8. **Multiplying** and **dividing** decimals.

$$\begin{array}{r} 49.35 \\ \times\ 4.2 \\ \hline 9870 \\ 197400 \\ \hline 207.270 \end{array} \qquad \begin{array}{r} 180.2 \\ \times\ 0.53 \\ \hline 5406 \\ 90100 \\ \hline 95.506 \end{array}$$

$0.7\overline{)44.73}$ = **63.9**

$0.08\overline{)4.624}$ = **57.8**

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

7.08 × 100 = **708** 13.9 ÷ 100 = **0.139**

24.9 × 10 = **249** 6.35 ÷ 10 = **0.635**

10. **Multiplying** and **dividing** by **powers of 10.**

2.8 × 10^2 = **280** 6.1 ÷ 10^2 = **0.061**

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

AWS

Number Assessment

D3 Name: **Answers** Class:

L4N1

1. How much would 7 C.D.'s at $17.25 each cost? **$120.75**

2. How much would 3 kilograms of meat at $14.75 per kilogram cost? **$44.25**

3. If 8 exercise books cost $7.60, what is the cost of one exercise book? **$0.95**

4. **Add** up Jan's shopping list / work out her change.

$13.70
$19.65
$21.10
$19.65
+ $2.60
$76.70

If Jan paid for her purchases with four $20.00 notes, how much change would she get back?

$80.00
- $76.70
$3.30

5. **Shade** in $^2/_3$ of this group of shapes.

6. What **fraction** of each group of shapes is shaded? (Simplify your answer)

 $^1/_2$

 $^2/_5$

 $^1/_4$

 $^1/_2$

7. **Find** each fraction of these whole numbers.

$\frac{1}{3}$ of $27 = **$9** $\frac{1}{5}$ of $60 = **$12**

8. **Find** each fraction of these decimal numbers.

$\frac{1}{4}$ of $24.80 = **$6.20** $\frac{1}{2}$ of $33.50 = **$16.75**

9. If $24 is shared between ten people, how much does each person get? **$2.40**

10. If $29.40 is shared between three people, how much does each person get? **$9.80**

11. **Read** each statement and **write** the information as a **fraction.** *Example:* 3 out of 4 is written as $^3/_4$

Abbey scored 23 out of 25 in a test. $^{23}/_{25}$

It rained 10 days out of 30 days. $^{10}/_{30}$

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

AWS

D4 Name: **Answers** Class:

L4N1

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

384 **380** 941 **940** 675 **680**

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

627 **600** 850 **900** 186 **200**

3. **Round** these numbers to the nearest 1000.

4961 **5000** 2496 **2000** 5500 **6000**

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

186 + 738	190	+	740	=	**930**
4638 - 479	4600	-	500	=	**4100**
1394 × 23	1400	×	20	=	**28000**
8879 ÷ 9	9000	÷	9	=	**1000**

5. **Order** of **operations**.

BEDMAS

7 × 8 + 39 = **95** 50 ÷ 5 - 6 = **4**

91 - 8 × 6 = **43** 81 - 56 ÷ 7 = **73**

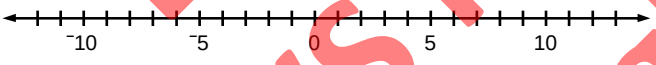
6. **Calculate** the **new** temperature.

Starting temperature 4°C, **drops** 6°C. **⁻2°C**

Starting temperature ⁻3°C, **rises** 8°C. **5°C**

Starting temperature ⁻2°C, **drops** 9°C. **⁻11°C**

7. **Add** these positive and negative numbers



⁻3 + 9 = **6** 4 + ⁻6 = **⁻2**

5 + ⁻8 = **⁻3** ⁻9 + ⁻3 = **⁻12**

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
94.04	**1's**	**4**	96.25	**$^1/_{100}$'s**	**$^5/_{100}$**
63.72	**$^1/_{10}$'s**	**$^7/_{10}$**	74.89	**10's**	**70**

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

D5 Name: **Answers** Class:

L4N1

1. **Complete** each calculation to create **equivalent fractions**. *Example:* $^1/_2 \times {}^4/_4 = {}^4/_8$

$^1/_3 \times {}^4/_4 =$ **$^4/_{12}$** $^1/_4 \times {}^6/_6 =$ **$^6/_{24}$**

$^4/_5 \times {}^5/_5 =$ **$^{20}/_{25}$** $^3/_4 \times {}^8/_8 =$ **$^{24}/_{32}$**

$^2/_3 \times {}^7/_7 =$ **$^{14}/_{21}$** $^9/_{10} \times {}^{10}/_{10} =$ **$^{90}/_{100}$**

2. **Match** these **equivalent fractions**.

Example: $^1/_2 = {}^8/_{16}$

$^1/_4 =$ **$^3/_{12}$** $^8/_{12} =$ **$^2/_3$**

$^{10}/_{12} =$ **$^5/_6$** $^2/_5 =$ **$^4/_{10}$**

$^3/_4 =$ **$^9/_{12}$** $^4/_{20} =$ **$^1/_5$**

Answers: $^3/_{12}$ $^2/_3$ $^4/_{10}$ $^1/_5$ $^9/_{12}$ $^5/_6$

3. **Convert** these **fractions** to **decimals**.

Example: $^1/_2 = 0.5$

$^1/_2 =$ **0.5** $^1/_5 =$ **0.2**

$^1/_4 =$ **0.25** $^9/_{10} =$ **0.9**

$^2/_3 =$ **0.66·** $^3/_4 =$ **0.75**

4. **Convert** these **decimals** to **fractions**.

Example: $0.5 = {}^1/_2$

0.9 = **$^9/_{10}$** 0.75 = **$^3/_4$**

0.5 = **$^1/_2$** 0.66· = **$^2/_3$**

0.25 = **$^1/_4$** 0.2 = **$^1/_5$**

5. **Convert** these **percentages** to **decimals**.

Example: 50% = 0.5

5% = **0.05** 75% = **0.75**

$66\frac{2}{3}\%$ = **0.66·** 40% = **0.4**

25% = **0.25** 50% = **0.5**

6. **Convert** these **decimals** to **percentages**.

Example: 0.5 = 50%

0.75 = **75%** 0.66· = **$66\frac{2}{3}\%$**

0.25 = **25%** 0.4 = **40%**

0.5 = **50%** 0.05 = **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

Notes: