A Complete Guide to ...

Written in NZ for NZ

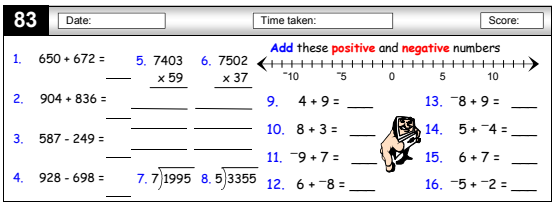
Daily Number Revision

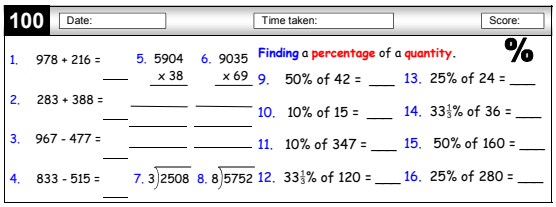
Student Workbook

A Skills Mastery Programme

Book 7 - *Revised Edition*

(Suggested use at Year 8)





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

Name: _____ Class: _____

Author: A. W. Stark

AWS Publications Ltd

L4N2S

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Formatting and publishing by
Andrew Stark

(formerly **AWS** *Teacher Resources*)
PO Box 21304
Edgeware
CHRISTCHURCH 8143
NEW ZEALAND

☎ (03) 338 0516 or (03) 338 0514
e-mail: aws.resources@xtra.co.nz

This resource ...

*A Complete Guide to

Daily Number Revision

Student Write-On Workbook - Book 7

(Suggested use at Years 8)

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

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

How do I find my way around this resource?

This resource has been divided into SECTIONS as listed below.

Section	Information
1 (Pages 3 & 4)	Information about this resource and notes for pupils & parents / care-givers
2 (Pages 6 to 9)	Column graphs numbered 1 to 150. Once each of group of questions has been completed, mark your answers and graph your results.
3 (Pages 11 - 40)	150 Daily Number Revision Tasks, with space on each to record date, time taken to complete and score.
4 (Pages 42 - 48)	Formal Assessment ideas and Two Parallel Assessment Worksheets
5 (Middle of book)	Answers for 150 Daily Number Revision Tasks and Assessments.

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

AWS Publications Ltd

☎ (03) 338 0516
(03) 338 0514

e-mail: aws.resources@xtra.co.nz

About this resource:

The **aim** of this resource is to provide a **systematic way** of introducing and revising the **Numeracy Facts (Number Knowledge)** and various **NUMBER STRAND Curriculum Achievement Objectives**, so that your child 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.

In **Section 3** of this workbook there are 5 sets of questions per A4 page. There are 8 questions on the **Numeracy Facts (Number Knowledge)** and 2 to 12 questions involving the **NUMBER STRAND Curriculum Achievement Objectives**. It is intended that **one set** is to be completed **per day for 30 weeks of the year**. This would establish a routine of working on learning / revising the Numeracy facts / Number Strand questions every day in a structured way.

Above each set of questions there is a place to record the **time taken** to complete the questions. You can do the timing one of two ways. Either time the first 12 questions only (Numeracy facts) so that you can compare daily results or time how long it takes to complete all questions per set. As your child's confidence improves, set a time limit to complete the questions, especially questions 1 to 12 (Numeracy facts).

It is important that your child gets **immediate feed-back** by way of having the questions marked and their results can be plotted on the column graphs supplied in **Section 2**. As an extension activity, similar questions as contained within each set could be made up and asked orally.

There are two **Parallel Assessment Activity Sheets** included in **Section 4** covering the Numeracy facts and Number Strand Objectives that can be used as **pre or post assessments** to determine your child's prior numeracy / number strand skill level or to show improvement that has been made. For more information about assessment, see page 41.

Answers are provided for all questions in Books 2 to 7.

Numeracy / Number Strand activities in Book 7 (Year 8)

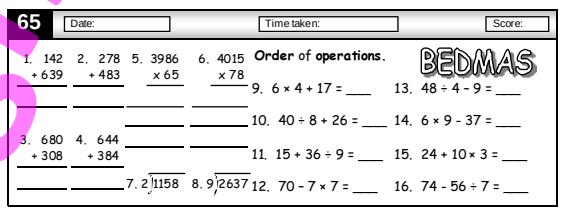
Book 7 (L4N2) contains 30 A4 sized activity sheets. On each activity sheet there are 5 sets of 10 to 20 questions. The following activities are included in these resources.

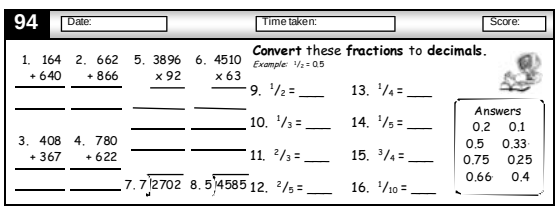
☑ **Numeracy Facts:**

- **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**.

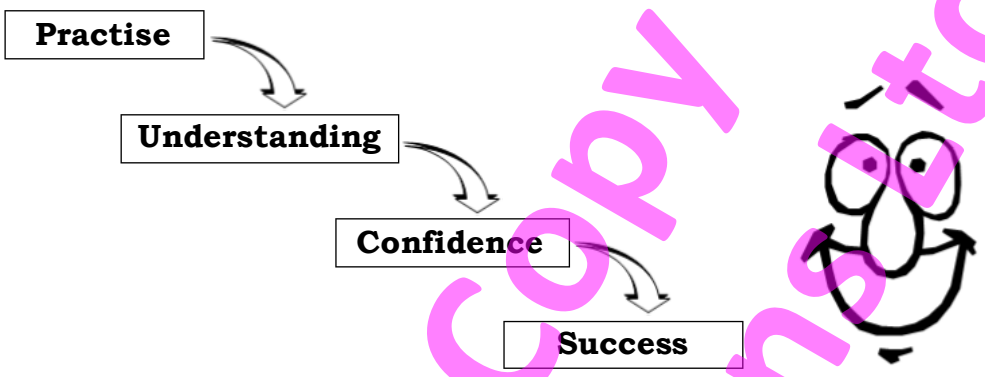

65 Date: Time taken: Score:
1. 142 + 639 2. 278 + 483 5. 3986 × 65 6. 4015 × 78
Order of operations. BEDMAS
9. 6 × 4 + 17 = ___ 13. 48 ÷ 4 - 9 = ___
10. 40 ÷ 8 + 26 = ___ 14. 6 × 9 - 37 = ___
3. 680 + 308 4. 644 + 384
11. 15 + 36 ÷ 9 = ___ 15. 24 + 10 × 3 = ___
7. 2)1158 8. 9)2637 12. 70 - 7 × 7 = ___ 16. 74 - 56 ÷ 7 = ___


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

Note to Students:

I am sure you would love not to have to do homework. However, we will only get better at many things we do or learn, if we practise. I am sure you have heard the old saying 'practice makes perfect'.

In class you are shown and taught lots of new ideas. The reason for doing your homework is to practise what you have been taught in class. If you can do it on your own at home, or maybe with a little help from someone at home, then it shows you have remembered what you were shown in class.



No-one can make you learn. Your teachers, parents / caregivers and friends can help, but at the end of the day it's up to you. You do not have to always get it right, as long as you have tried to do the very best you can. Remember to ask for help if you do not understand or if you are not sure of what you have to do.

This resource has been written to help make doing your homework easier for both you and your teacher.

Good luck.

Note to Parents / Caregivers:

You may not have found mathematics easy when you were at school nor do you have to be good at it. All you have to do is encourage your son / daughter to do the very best he / she can. We cannot ask more from our children, than they are able to give. Try to be realistic with your own expectations of how well you think they should be doing at school.

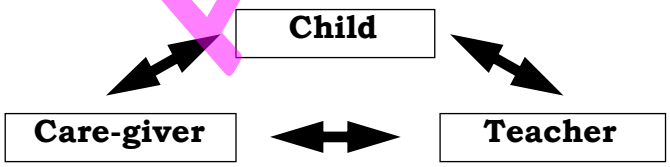
To help your son / daughter, here are some ideas ...

- ☑ Provide a place where they can work quietly without too many distractions. Background music is okay, but television is too distracting because of the pictures.
- ☑ Provide them with the equipment they need.
- ☑ Help them work out when is the best time to do their homework, encouraging them to establish routines. Remember they do need some time off to enjoy themselves, so do not expect them to work all the time.
- ☑ Give them plenty of encouragement and praise. Mark their work and encourage them to complete each column graph to plot their results.

Our children need our support and encouragement if they are to do well. If your son / daughter is having a lot of trouble understanding the work, it may be a good idea to contact their teacher to talk about the best way you can help.

Good luck.

Successful learning requires teamwork.



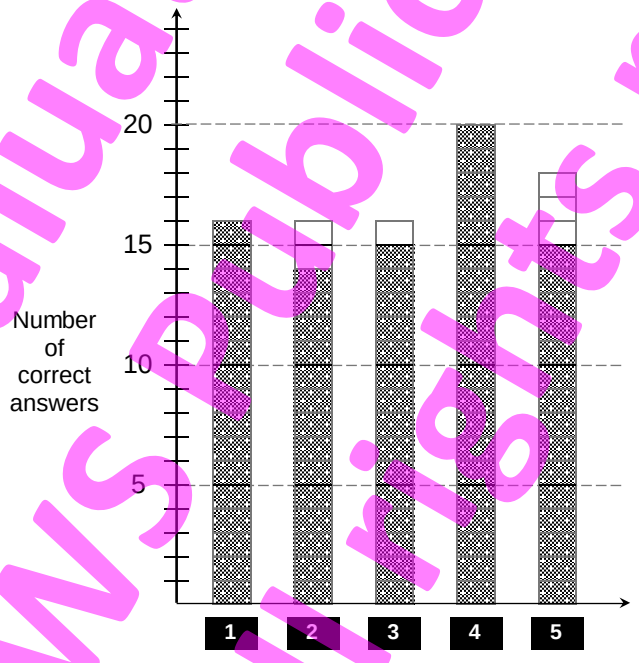
Column Graph Masters

Use the column graphs on the following pages to plot your child's progress.

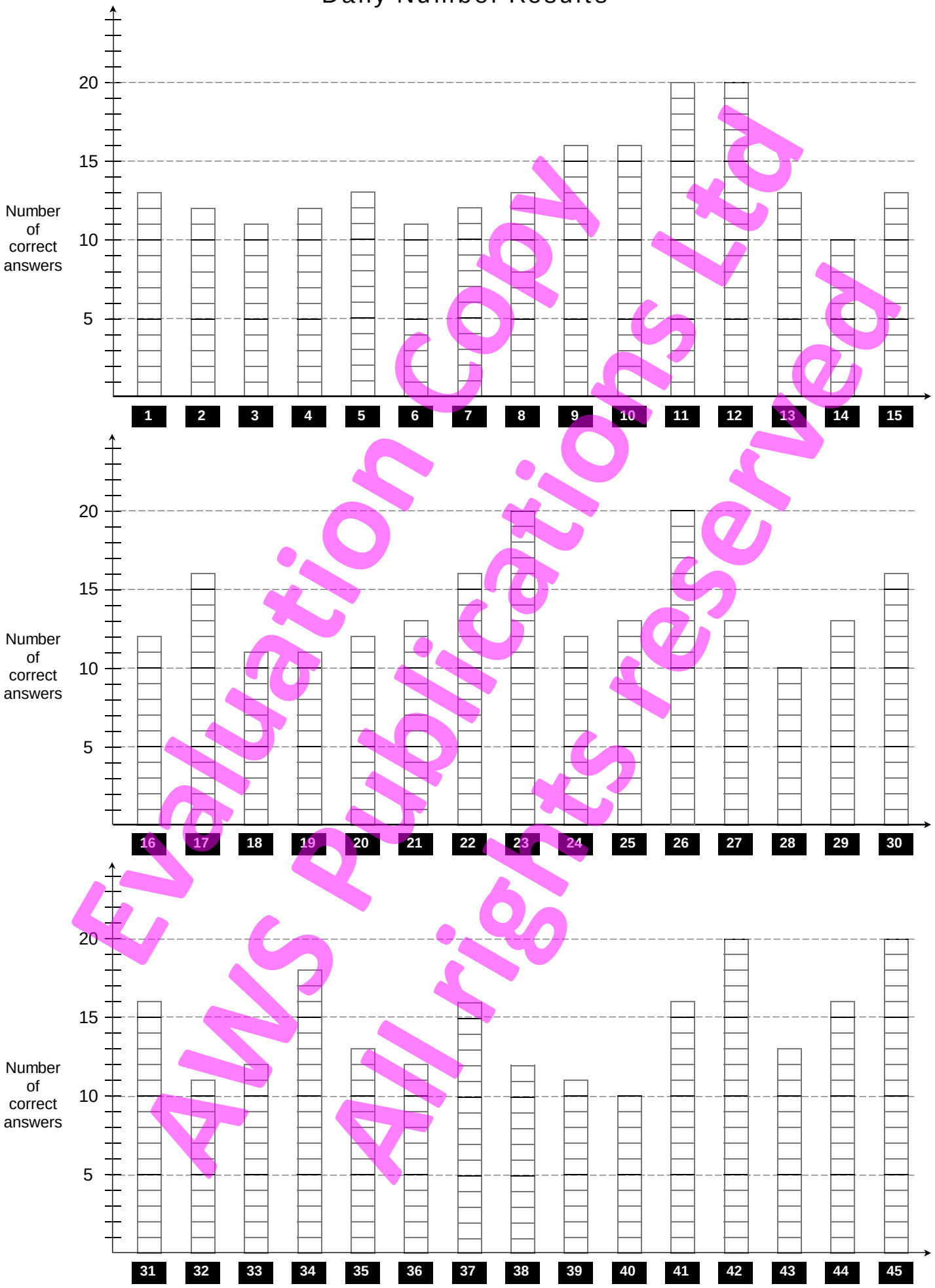
Mark each set of questions, then graph the results.

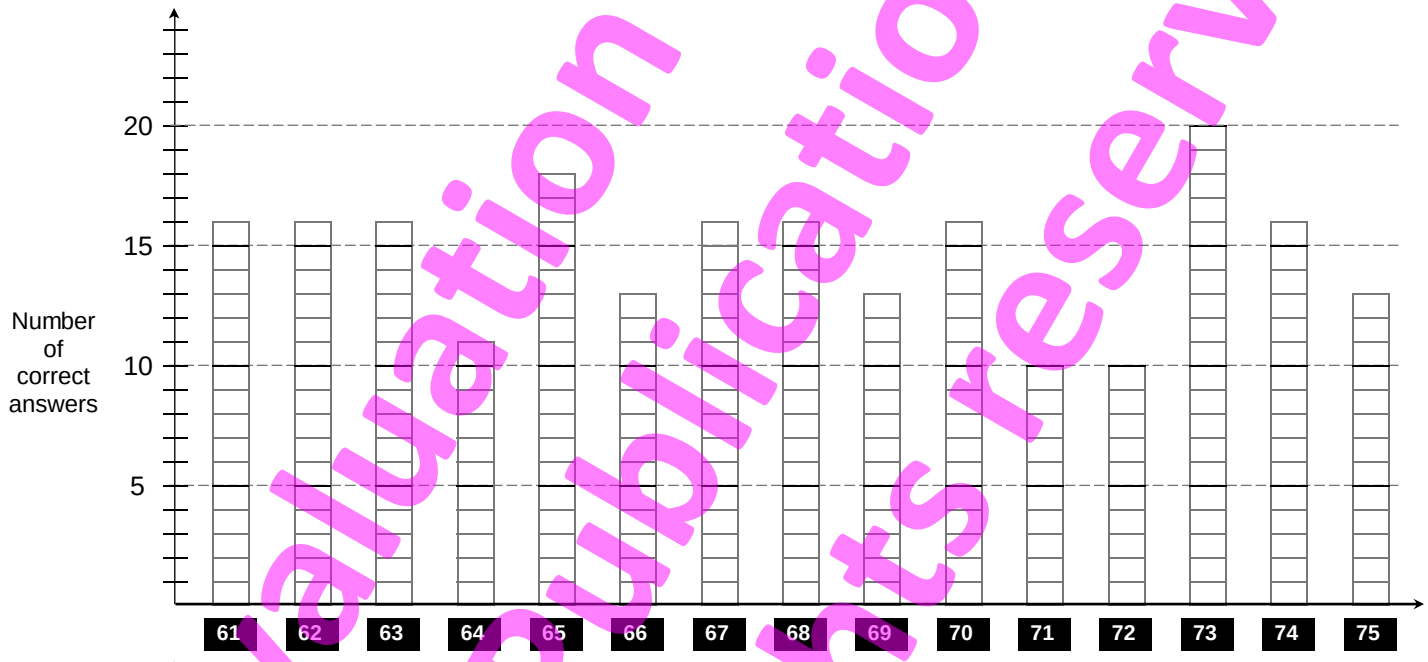
Graphing the results gives visual feedback.

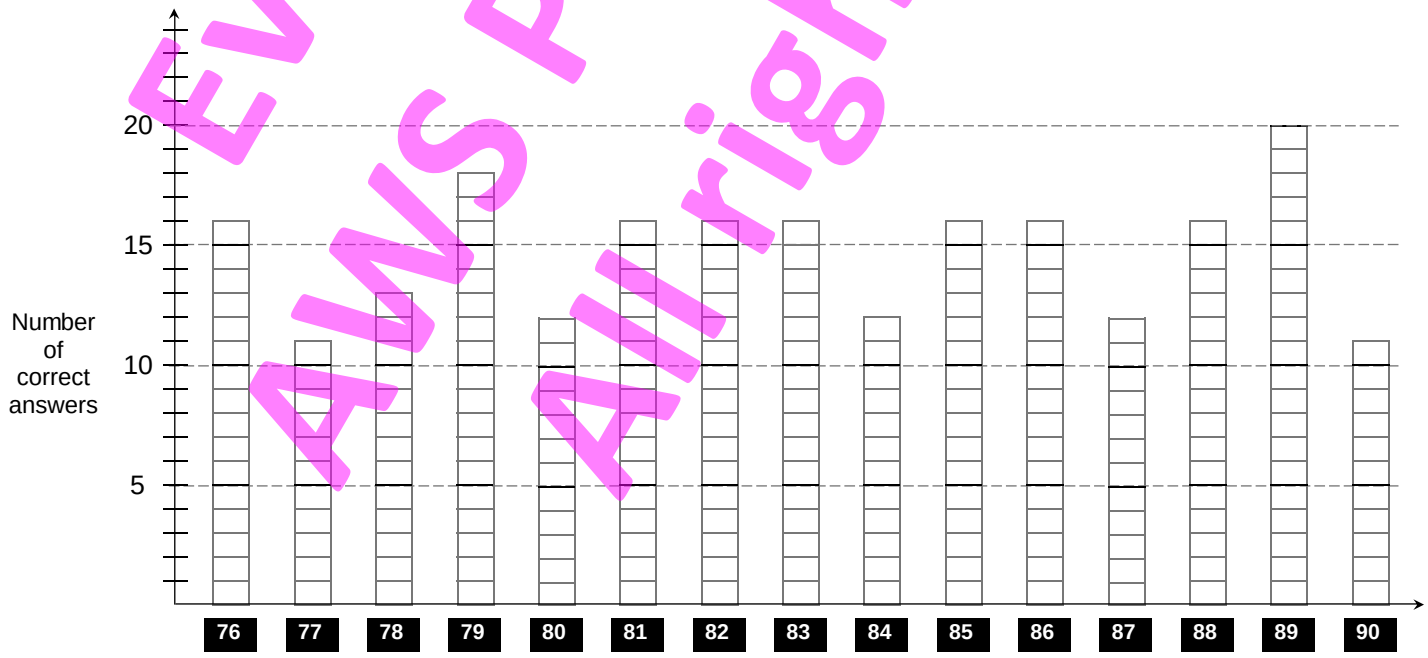
Example:



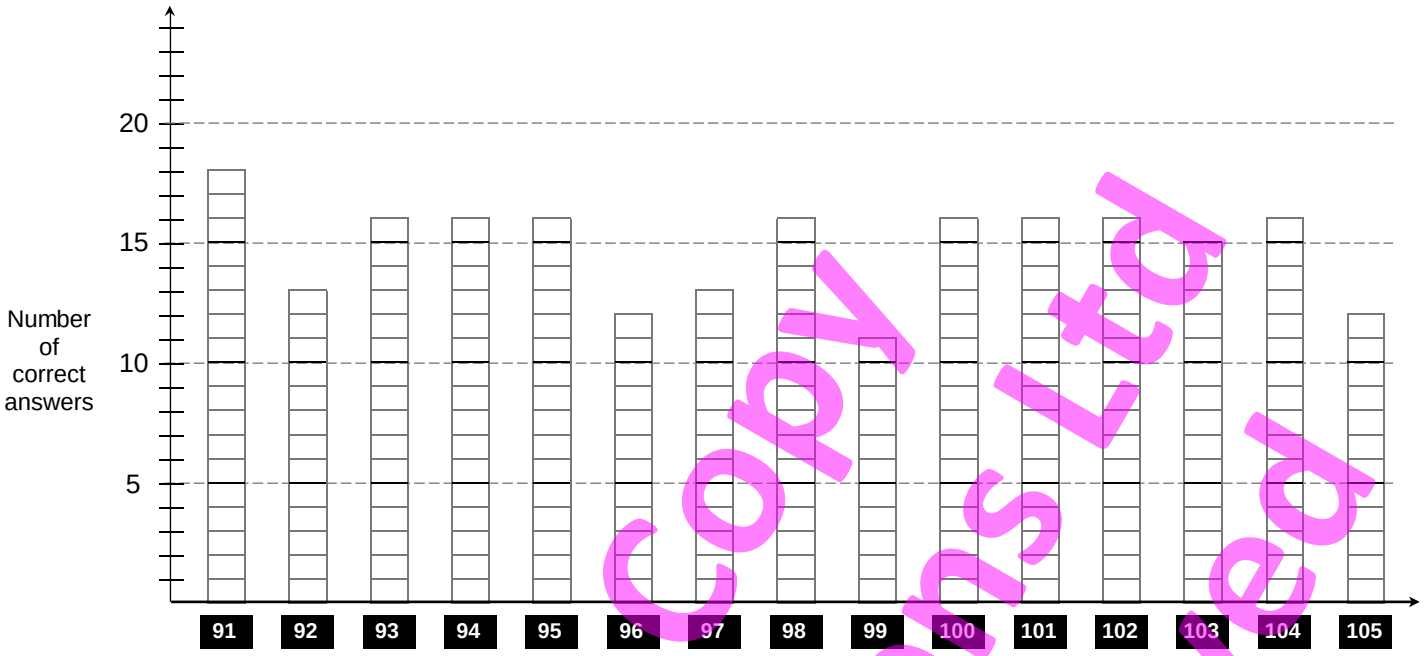
Daily Number Results

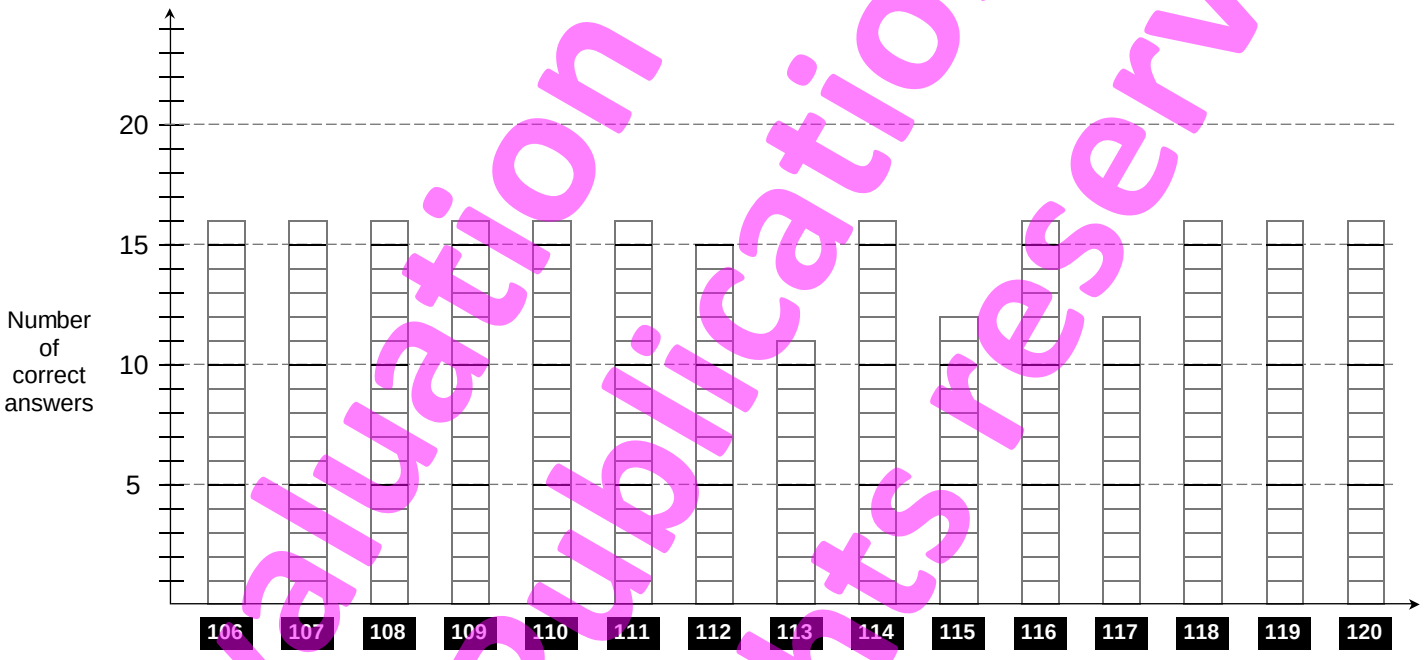


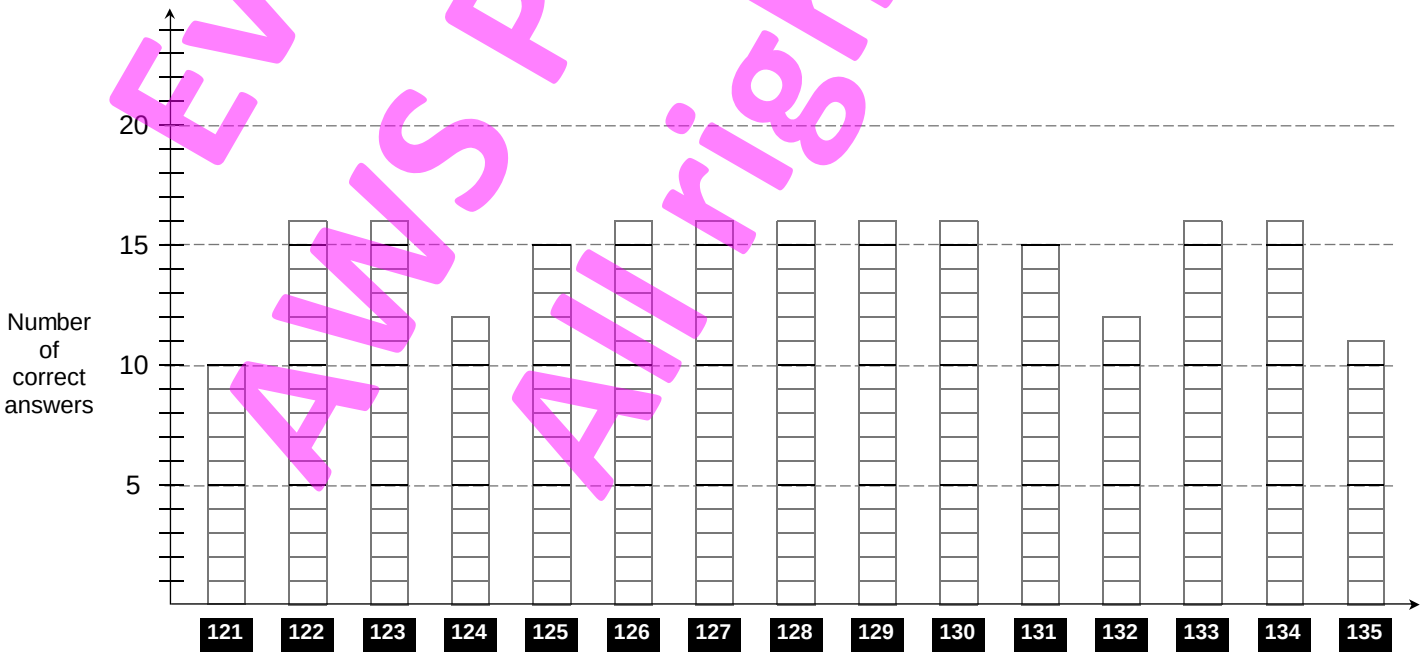




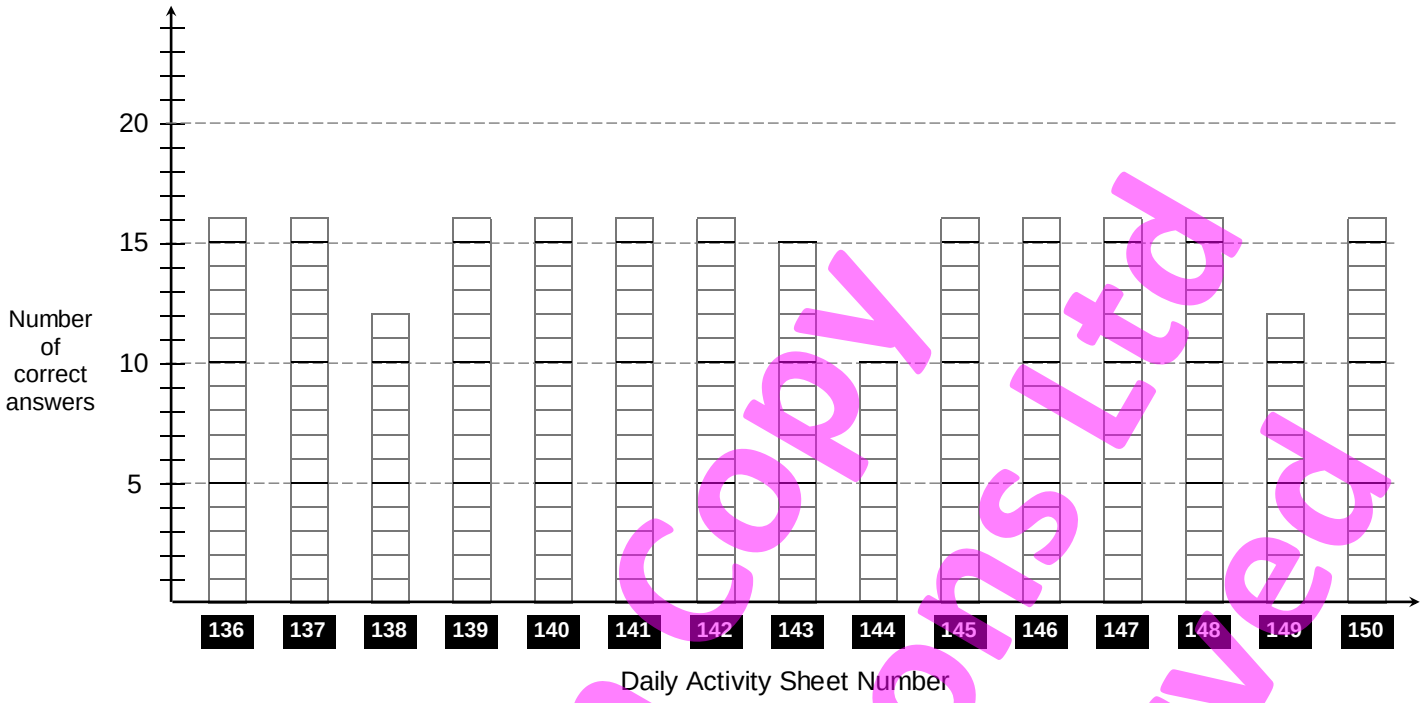
Daily Activity Sheet Number







Daily Activity Sheet Number



1

Date: Time taken: Score:

(1) 761 + 229 =

(2) 393 + 486 =

(3) 784 - 480 =

(4) 670 - 249 =

(5) 3740 × 26

(6) 2750 × 48

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

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

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

(9) three hundred & ninety-seven

(10) four hundred & eighty-five

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

(11) 253

(12) 718

(13) 946

2

Date: Time taken: Score:

(1) 584 + 108 =

(2) 361 + 597 =

(3) 687 - 241 =

(4) 706 - 492 =

(5) 9561 × 62

(6) 3916 × 84

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

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

Multiplying and **dividing decimals.**

(9) 53.97 × 5.6

(10) 2.846 × 0.38

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

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

3

Date: Time taken: Score:

(1) 657 + 234 =

(2) 395 + 494 =

(3) 696 - 436 =

(4) 785 - 188 =

(5) 8237 × 26

(6) 4827 × 48

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

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

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

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

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

4

Date: Time taken: Score:

(1) 256 + 518 =

(2) 481 + 334 =

(3) 478 - 255 =

(4) 758 - 188 =

(5) 4095 × 62

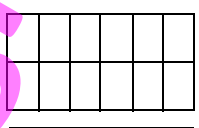
(6) 5093 × 84

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

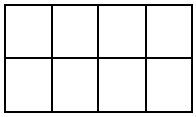
(8) $9\overline{)3663}$

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

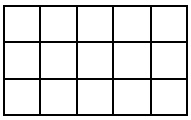
(9) $\frac{1}{2}$



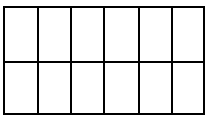
(10) $\frac{3}{4}$



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



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



5

Date: Time taken: Score:

(1) 142 + 639 =

(2) 458 + 571 =

(3) 697 - 426 =

(4) 841 - 409 =

(5) 6182 × 26

(6) 1648 × 48

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

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

Prime numbers, multiples & factors

(9) **List** the **prime numbers** between **1** and **15**.

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

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

(12) **List** the **factors** of **8**.

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

6

Date: Time taken: Score:

(1) 306 + 527 =

(2) 182 + 425 =

(3) 679 - 139 =

(4) 814 - 490 =

(5) 7403 × 59

(6) 7502 × 37

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

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

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

1.3, 1,9, 1.4, 1.5, 1.7, 1.1, 1.6, 1.2, 1.8, 1.0

(9)

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

(10)

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

(11)

7

Date: Time taken: Score:

(1) 145 + 259 =

(2) 492 + 282 =

(3) 589 - 204 =

(4) 766 - 439 =

(5) 5619 × 95

(6) 3169 × 73

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

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

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

(9) 563 + 212 ____ + ____ = ____

(10) 8032 - 495 ____ - ____ = ____

(11) 2895 × 32 ____ × ____ = ____

(12) 2417 ÷ 6 ____ ÷ ____ = ____

8

Date: Time taken: Score:

(1) 837 + 127 =

(2) 558 + 261 =

(3) 586 - 475 =

(4) 766 - 493 =

(5) 2378 × 59

(6) 8274 × 37

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

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

Calculate the change in temperatures.

(9) Starting temperature 5°C, **drops** 7°C. ____

(10) Starting temperature 4°C, **rises** 5°C. ____

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

(12) Starting temperature $^{-}$2°C, **rises** 5°C. ____

(13) Starting temperature $^{-}$3°C, **drops** 4°C. ____

9

Date: Time taken: Score:

(1) 614 + 119 =

(2) 591 + 196 =

(3) 986 - 716 =

(4) 982 - 689 =

(5) 5049 × 95

(6) 3509 × 73

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

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

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

(9) $^1/_2 \times {}^4/_4 =$ ____ (10) $^1/_4 \times {}^5/_5 =$ ____

(11) $^1/_5 \times {}^6/_6 =$ ____ (12) $^1/_6 \times {}^3/_3 =$ ____

(13) $^2/_7 \times {}^2/_2 =$ ____ (14) $^2/_3 \times {}^7/_7 =$ ____

(15) $^3/_4 \times {}^8/_8 =$ ____ (16) $^4/_5 \times {}^{10}/_{10} =$ ____

10

Date: Time taken: Score:

(1) 547 + 249 =

(2) 275 + 493 =

(3) 459 - 115 =

(4) 928 - 698 =

(5) 1826 × 59

(6) 6481 × 37

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

(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) 2.**7** ____ ____ (10) 25.7**8**4 ____ ____

(11) **6**.45 ____ ____ (12) **9**21.7 ____ ____

(13) 12.0**8** ____ ____ (14) 0.02**6** ____ ____

(15) 81.**9**0 ____ ____ (16) **4**25.17 ____ ____

11

Date: Time taken: Score:

(1) 143 + 728 =

(2) 180 + 345 =

(3) 397 - 232 =

(4) 941 - 832 =

(5) 4037 × 27

(6) 5027 × 49

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

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

Calculate the **squares** of these numbers.

(9) 4^2 (10) 10^2 (11) 8^2

(12) 7^2 (13) 5^2 (14) 3^2

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

(15) $\sqrt{36}$ (16) $\sqrt{144}$ (17) $\sqrt{16}$

(18) $\sqrt{81}$ (19) $\sqrt{64}$ (20) $\sqrt{49}$

12

Date: Time taken: Score:

(1) 436 + 246 =

(2) 270 + 586 =

(3) 598 - 303 =

(4) 419 - 328 =

(5) 6195 × 72

(6) 1693 × 94

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

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

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

(9) 124 (10) 249 (10) 371

(12) 867 (13) 613 (13) 905

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

(15) 1286 (16) 5834 (17) 5643

(18) 3146 (19) 6782 (20) 2450

13

Date: Time taken: Score:

(1) 372 + 308 =

(2) 193 + 873 =

(3) 985 - 825 =

(4) 842 - 624 =

(5) 3782 × 27

(6) 2748 × 49

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

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

Prime numbers, multiples & factors

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

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

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

(12) **List** the **factors** of **10**.

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

14

Date: Time taken: Score:

(1) 759 + 124 =

(2) 340 + 167 =

(3) 384 - 164 =

(4) 824 - 642 =

(5) 4509 × 72

(6) 5309 × 94

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

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

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

$21.35
$11.40
$27.15
$23.54
+ $9.85

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

15

Date: Time taken: Score:

(1) 263 + 109 =

(2) 184 + 551 =

(3) 975 - 170 =

(4) 873 - 158 =

(5) 8216 × 27

(6) 4816 × 49

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

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

Calculate the change in temperatures.

(9) Starting temperature 3°C, **rises** 7°C.

(10) Starting temperature 4°C, **drops** 6°C.

(11) Starting temperature 0°C, **rises** 5°C.

(12) Starting temperature $^{-}$4°C, **rises** 7°C.

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

16

Date: Time taken: Score:

(1) 628 + 337 =

(2) 352 + 356 =

(3) 784 - 480 =

(4) 837 - 185 =

(5) 3074 × 57

(6) 2075 × 68

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

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

Multiplying and **dividing decimals.**

(9) 31.94 × 0.79

(10) 30.49 × 6.5

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

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

17

Date: Time taken: Score:

(1) 207 + 696 =

(2) 282 + 367 =

(3) 679 - 139 =

(4) 380 - 154 =

(5) 1695 × 75

(6) 1396 × 86

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

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

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

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

(10) $^1/_4 \times {}^5/_5 =$

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

(12) $^1/_{45} \times {}^3/_3 =$

(13) $^3/_5 \times {}^2/_2 =$

(14) $^5/_8 \times {}^7/_7 =$

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

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

18

Date: Time taken: Score:

(1) 469 + 317 =

(2) 267 + 251 =

(3) 397 - 232 =

(4) 308 - 145 =

(5) 3278 × 57

(6) 4287 × 68

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

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

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

(9) 1.17, 1.10 1.09, 1.24, 1.07, 1.26, 1.14, 1.19

(10) 2.34, 2.41, 2.39, 2.40, 2.37, 2.31, 2.42, 2.36

(11) 7.67, 7.64, 7.71, 7.76, 7.69, 7.70, 7.61, 7.73

19

Date: Time taken: Score:

(1) 564 + 437 =

(2) 295 + 760 =

(3) 687 - 241 =

(4) 964 - 749 =

(5) 4059 × 75

(6) 3509 × 86

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

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

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

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

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

20

Date: Time taken: Score:

(1) 527 + 303 =

(2) 251 + 485 =

(3) 589 - 204 =

(4) 946 - 794 =

(5) 1862 × 57

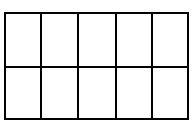
(6) 1468 × 68

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

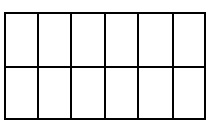
(8) $9\overline{)1512}$

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

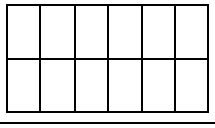
(9) $\frac{3}{5}$



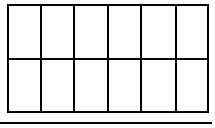
(10) $\frac{2}{3}$



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



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



21

Date: Time taken: Score:

(1) 478 + 197 =

(2) 141 + 971 =

(3) 590 - 423 =

(4) 905 - 234 =

(5) 3740 × 38

(6) 2750 × 69

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

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

Calculate the change in temperatures.

(9) Starting temperature 7°C, **rises** 4°C.

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

(11) Starting temperature 5°C, **rises** 8°C.

(12) Starting temperature $^{-}$6°C, **rises** 7°C.

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

22

Date: Time taken: Score:

(1) 833 + 259 =

(2) 376 + 469 =

(3) 644 - 384 =

(4) 744 - 648 =

(5) 1956 × 83

(6) 3196 × 96

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

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

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.**9**

(10) 13.1**2**8

(11) **6**.45

(12) 6**8**2.7

(13) 7.6**9**

(14) 6.74**5**

(15) 0.**5**6

(16) **9**45.78

23

Date: Time taken: Score:

(1) 471 + 878 =

(2) 904 + 836 =

(3) 645 - 107 =

(4) 654 - 170 =

(5) 8237 × 38

(6) 4827 × 69

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

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

Calculate the **squares** of these numbers.

(9) 6^2

(10) 9^2

(11) 7^2

(12) 11^2

(13) 5^2

(14) 12^2

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

(11) $\sqrt{25}$

(16) $\sqrt{64}$

(17) $\sqrt{121}$

(14) $\sqrt{100}$

(19) $\sqrt{16}$

(20) $\sqrt{81}$

24

Date: Time taken: Score:

(1) 689 + 167 =

(2) 762 + 486 =

(3) 717 - 666 =

(4) 761 - 636 =

(5) 4095 × 83

(6) 3095 × 96

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

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

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

(9) 912 + 1195 ____ + ____ = ____

(10) 4872 - 709 ____ - ____ = ____

(11) 2047 × 59 ____ × ____ = ____

(12) 819 ÷ 4 ____ ÷ ____ = ____

25

Date: Time taken: Score:

(1) 915 + 456 =

(2) 548 + 272 =

(3) 795 - 299 =

(4) 759 - 299 =

(5) 1682 × 38

(6) 1648 × 69

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

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

Prime numbers, multiples & factors

(9) **List** the **prime numbers** between **15** and **30**.

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

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

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

(13) **List** the **factors** of **20**.

26

Date: | Time taken: | Score:

(1) 662 + 866 =

(2) 918 + 927 =

(3) 534 - 271 =

(4) 453 - 127 =

(5) 9561 × 26

(6) 9316 × 48

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

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

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

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

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

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

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

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

27

Date: | Time taken: | Score:

(1) 387 + 653 =

(2) 290 + 956 =

(3) 680 - 308 =

(4) 919 - 780 =

(5) 8237 × 62

(6) 4827 × 84

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

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

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

(9) two hundred & fifty-nine

(10) seven hundred & forty-eight

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

(11) 639

(12) 827

(13) 645

28

Date: | Time taken: | Score:

(1) 788 + 903 =

(2) 149 + 682 =

(3) 608 - 380 =

(4) 992 - 345 =

(5) 4095 × 26

(6) 5093 × 48

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

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

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

$32.45
$8.40
$24.65
$19.95
+ $9.85

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

-

29

Date: | Time taken: | Score:

(1) 562 + 975 =

(2) 815 + 448 =

(3) 952 - 648 =

(4) 836 - 345 =

(5) 1682 × 62

(6) 1648 × 84

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

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

Calculate the change in temperatures.

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

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

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

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

(13) Starting temperature $^{-}$6°C, **drops** 5°C.

30

Date: | Time taken: | Score:

(1) 463 + 287 =

(2) 580 + 984 =

(3) 929 - 453 =

(4) 480 - 376 =

(5) 3740 × 26

(6) 2750 × 48

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

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

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) $^2/_5 \times {}^6/_6 =$ (12) $^4/_5 \times {}^3/_3 =$

(13) $^6/_7 \times {}^2/_2 =$ (14) $^7/_8 \times {}^7/_7 =$

(15) $^7/_{10} \times {}^8/_8 =$ (16) $^5/_{12} \times {}^{10}/_{10} =$

31

Date: Time taken: Score:

(1) 547 + 548 =

(2) 697 + 136 =

(3) 691 - 508 =

(4) 827 - 137 =

(6) 5619 × 59

(6) 3169 × 37

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

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

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

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

32

Date: Time taken: Score:

(1) 782 + 767 =

(2) 952 + 719 =

(3) 529 - 486 =

(4) 893 - 374 =

(5) 2378 × 95

(6) 2874 × 73

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

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

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

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

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

33

Date: Time taken: Score:

(1) 283 + 388 =

(2) 427 + 986 =

(3) 872 - 173 =

(4) 636 - 296 =

(5) 9054 × 59

(6) 9035 × 37

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

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

Multiplying and **dividing decimals**.

(9) 249.3 × 4.7

(10) 68.75 × 0.29

(11) $0.9\overline{)4.185}$

(12) $0.04\overline{)1.188}$

34

Date: Time taken: Score:

(1) 914 + 246 =

(2) 278 + 349 =

(3) 408 - 367 =

(4) 363 - 269 =

(5) 1826 × 95

(6) 6481 × 73

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

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

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

(9) 2.38 × 100 =

(10) 15.46 × 1000 =

(11) 1.957 × 10 =

(12) 3.972 × 100 =

(13) 0.461 × 1000 =

(14) 42.31 ÷ 10 =

(15) 3.769 ÷ 100 =

(16) 86121 ÷ 1000 =

(17) 57.84 ÷ 10 =

(18) 93.51 ÷ 100 =

35

Date: Time taken: Score:

(1) 753 + 962 =

(2) 659 + 405 =

(3) 491 - 196 =

(4) 526 - 174 =

(5) 7403 × 59

(6) 7502 × 37

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

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

Prime numbers, multiples & factors

(9) **List** the **prime numbers** between **25** and **40**.

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

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

(12) **List** the **factors** of **24**.

(13) **List** the **factors** of **27**.

36

Date: Time taken: Score:

(1) 369 + 378 = _____

(2) 311 + 893 = _____

(3) 419 - 169 = _____

(4) 652 - 417 = _____

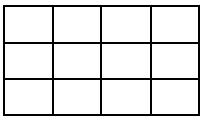
(5) 6195 × 27 = _____

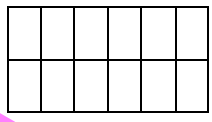
(6) 6193 × 49 = _____

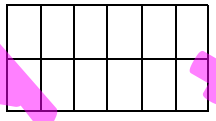
(7) $8\overline{)4744}$

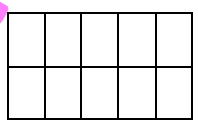
(8) $5\overline{)3960}$

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

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

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

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

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

37

Date: Time taken: Score:

(1) 529 + 573 = _____

(2) 767 + 297 = _____

(3) 584 - 307 = _____

(4) 948 - 557 = _____

(5) 3782 × 72 = _____

(6) 2748 × 94 = _____

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

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

Match these **equivalent fractions**.

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

(9) $^1/_2$ = _____

(10) $^8/_{12}$ = _____

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

(12) $^1/_3$ = _____

(13) $^1/_5$ = _____

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

(15) $^6/_{10}$ = _____

(16) $^5/_6$ = _____

Answers:
$^3/_5$ $^3/_4$ $^2/_3$ $^5/_{10}$ $^{10}/_{12}$ $^2/_{10}$ $^3/_9$ $^1/_4$

38

Date: Time taken: Score:

(1) 650 + 672 = _____

(2) 978 + 216 = _____

(3) 903 - 272 = _____

(4) 950 - 555 = _____

(5) 9540 × 27 = _____

(6) 9350 × 49 = _____

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

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

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

(9) 462 + 1792 _____ + _____ = _____

(10) 5031 - 689 _____ - _____ = _____

(11) 3795 × 53 _____ × _____ = _____

(12) 8065 ÷ 8 _____ ÷ _____ = _____

39

Date: Time taken: Score:

(1) 393 + 297 = _____

(2) 294 + 841 = _____

(3) 976 - 477 = _____

(4) 915 - 350 = _____

(5) 2861 × 72 = _____

(6) 4816 × 94 = _____

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

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

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

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

(9) _____

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

(10) _____

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

(11) _____

40

Date: Time taken: Score:

(1) 645 + 509 = _____

(2) 278 + 483 = _____

(3) 759 - 261 = _____

(4) 894 - 755 = _____

(5) 4037 × 27 = _____

(6) 5027 × 49 = _____

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

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

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

$43.45
$25.90
$18.75
$32.60
+ $9.95
_____

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

_____
- _____
_____

41

Date: Time taken: Score:

(1) 796 + 740 =

(2) 749 + 536 =

(3) 491 - 207 =

(4) 548 - 370 =

(5) 1956 × 57

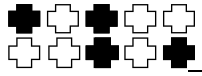
(6) 6931 × 68

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

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

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

(9) 

(10) 

(11) 

(12) 

(13) 

(14) 

(15) 

(16) 

42

Date: Time taken: Score:

(1) 158 + 775 =

(2) 630 + 598 =

(3) 419 - 270 =

(4) 833 - 515 =

(5) 3827 × 75

(6) 4782 × 86

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

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

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

(9) 563 (10) 496 (11) 904

(12) 179 (13) 342 (14) 655

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

(15) 6342 (16) 9062 (17) 4239

(18) 8156 (19) 1938 (20) 7350

43

Date: Time taken: Score:

(1) 539 + 806 =

(2) 478 + 197 =

(3) 967 - 828 =

(4) 737 - 565 =

(5) 5409 × 57

(6) 3509 × 68

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

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

Prime numbers, multiples & factors

(9) **List** the **prime numbers** between **35** and **50**.

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

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

(12) **List** the **factors** of **30**.

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

44

Date: Time taken: Score:

(1) 141 + 971 =

(2) 988 + 115 =

(3) 945 - 861 =

(4) 930 - 227 =

(5) 2618 × 75

(6) 1864 × 86

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

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

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

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

(9) 6.**7** (10) 45.2**8**7

(11) **8**.62 (12) 6**2**0.8

(13) 5.4**6** (14) 3.87**6**

(15) 1.**9**5 (16) **7**25.63

45

Date: Time taken: Score:

(1) 149 + 682 =

(2) 562 + 975 =

(3) 783 - 536 =

(4) 807 - 226 =

(5) 4370 × 57

(6) 5270 × 68

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

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

Calculate the **squares** of these numbers.

(9) 6^2 (10) 10^2 (11) 8^2

(12) 15^2 (13) 9^2 (14) 20^2

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

(15) $\sqrt{49}$ (16) $\sqrt{121}$ (17) $\sqrt{25}$

(18) $\sqrt{400}$ (19) $\sqrt{64}$ (20) $\sqrt{100}$

46

Date: Time taken: Score:

(1) 624 + 419 =

(2) 369 + 378 =

(3) 905 - 555 =

(4) 680 - 161 =

(5) 9561 × 38

(6) 3916 × 69

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

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

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

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

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

47

Date: Time taken: Score:

(1) 311 + 893 =

(2) 708 + 594 =

(3) 856 - 268 =

(4) 638 - 155 =

(5) 2837 × 83

(6) 4827 × 96

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

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

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

(9) 3.781 × 100 =

(10) 0.874 × 1000 =

(11) 56.9 × 10 =

(12) 12.47 × 100 =

(13) 0.956 × 1000 =

(14) 58.39 ÷ 10 =

(15) 438.5 ÷ 100 =

(16) 468.4 ÷ 1000 =

(17) 37.94 ÷ 10 =

(18) 965.2 ÷ 100 =

48

Date: Time taken: Score:

(1) 376 + 469 =

(2) 471 + 878 =

(3) 806 - 511 =

(4) 951 - 305 =

(5) 4095 × 38

(6) 5093 × 69

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

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

Calculate the change in temperatures.

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

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

(11) Starting temperature 0°C, **drops** 4°C.

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

(13) Starting temperature $^{-}$1°C, **drops** 9°C.

49

Date: Time taken: Score:

(1) 768 + 329 =

(2) 463 + 287 =

(3) 594 - 186 =

(4) 724 - 364 =

(5) 6182 × 83

(6) 1648 × 96

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

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

Order of **operations**.

(9) 3 × 6 + 27 =

(10) 27 ÷ 3 - 7 =

(11) 40 ÷ 8 + 19 =

(12) 6 × 5 - 18 =

(13) 24 + 42 ÷ 6 =

(14) 49 + 8 × 9 =

(15) 81 - 6 × 9 =

(16) 27 - 32 ÷ 4 =

50

Date: Time taken: Score:

(1) 580 + 984 =

(2) 908 + 173 =

(3) 916 - 145 =

(4) 642 - 546 =

(5) 3740 × 38

(6) 2750 × 69

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

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

Match these **equivalent fractions**.

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

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

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

(11) $^{9}/_{30}$ =

(12) $^{1}/_{3}$ =

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

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

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

(16) $^{2}/_{5}$ =

Answers:

$^{3}/_{10}$ $^{8}/_{20}$

$^{4}/_{12}$ $^{2}/_{3}$

$^{1}/_{4}$ $^{8}/_{16}$

$^{3}/_{5}$ $^{15}/_{20}$

51

Date: Time taken: Score:

(1) 767 + 297 =

(2) 650 + 672 =

(3) 758 - 159 =

(4) 967 - 477 =

(5) 8237 × 62

(6) 4827 × 84

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

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

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

Example: 0.5 = 50%

(9) 0.5 =

(10) 0.25 =

(11) 0.4 =

(12) 0.8 =

(13) 0.33 =

(14) 0.6 =

(15) 0.75 =

(16) 0.66 =

Answers

80% 75%

33⅓% 40%

60% 50%

25% 66⅔%

52

Date: Time taken: Score:

(1) 833 + 259 =

(2) 689 + 167 =

(3) 679 - 288 =

(4) 975 - 126 =

(5) 4095 × 26

(6) 5093 × 48

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

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

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

(9) three point four nine two

(10) one hundred & fifty-seven point eight

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

(11) 1.956

(12) 23.78

(13) 0.429

53

Date: Time taken: Score:

(1) 762 + 486 =

(2) 815 + 448 =

(3) 780 - 622 =

(4) 865 - 286 =

(5) 6182 × 62

(6) 1648 × 84

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

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

Finding a fraction of a **quantity**.

(9) $^1/_2$ of 64 =

(10) $^1/_4$ of 64 =

(11) $^1/_3$ of 24 =

(12) $^1/_{10}$ of 39 =

(13) $^1/_4$ of 120 =

(14) $^1/_2$ of 150 =

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

(16) $^1/_3$ of 240 =

54

Date: Time taken: Score:

(1) 697 + 136 =

(2) 782 + 767 =

(3) 785 - 195 =

(4) 791 - 314 =

(5) 3740 × 26

(6) 2750 × 48

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

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

Calculate the change in temperatures.

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

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

(11) Starting temperature 0°C, **rises** 8°C.

(12) Starting temperature $^-$8°C, **rises** 8°C.

(13) Starting temperature $^-$3°C, **drops** 9°C.

55

Date: Time taken: Score:

(1) 529 + 573 =

(2) 393 + 297 =

(3) 587 - 249 =

(4) 578 - 294 =

(5) 1569 × 62

(6) 6319 × 84

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

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

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

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

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

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

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

56

Date: Time taken: Score:

(1) 294 + 841 =

(2) 988 + 115 =

(3) 758 - 188 =

(4) 841 - 409 =

(5) 4095 × 95

(6) 5093 × 73

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

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

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

(9) 6148 + 7852 ____ + ____ = ____

(10) 3967 - 1023 ____ - ____ = ____

(11) 4230 × 79 ____ × ____ = ____

(12) 2095 ÷ 7 ____ ÷ ____ = ____

57

Date: Time taken: Score:

(1) 548 + 272 =

(2) 662 + 866 =

(3) 873 - 158 =

(4) 824 - 642 =

(5) 6182 × 59

(6) 1648 × 37

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

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

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

Example: $^1/_2 = 0.5$

(9) $^1/_2$ = ____

(10) $^1/_4$ = ____

(11) $^1/_3$ = ____

(12) $^1/_5$ = ____

(13) $^3/_4$ = ____

(14) $^2/_3$ = ____

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

(16) $^3/_{10}$ = ____

Answers

0.2 0.33·

0.25 0.3

0.66· 0.5

0.1 0.75

58

Date: Time taken: Score:

(1) 904 + 836 =

(2) 283 + 388 =

(3) 644 - 384 =

(4) 645 - 107 =

(5) 3740 × 95

(6) 2750 × 73

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

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

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

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

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

59

Date: Time taken: Score:

(1) 427 + 986 =

(2) 547 + 548 =

(3) 992 - 345 =

(4) 608 - 380 =

(5) 9561 × 59

(6) 9316 × 37

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

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

Match these **equivalent fractions**.

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

(9) $^1/_2$ = ____

(10) $^8/_{12}$ = ____

(11) $^{25}/_{30}$ = ____

(12) $^3/_4$ = ____

(13) $^3/_{10}$ = ____

(14) $^6/_{24}$ = ____

(15) $^{21}/_{30}$ = ____

(16) $^3/_5$ = ____

Answers:

$^{15}/_{20}$ $^2/_3$

$^6/_{20}$ $^7/_{14}$

$^5/_6$ $^1/_4$

$^9/_{15}$ $^7/_{10}$

60

Date: Time taken: Score:

(1) 278 + 483 =

(2) 796 + 740 =

(3) 836 - 345 =

(4) 872 - 173 =

(5) 8237 × 95

(6) 4827 × 73

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

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

Multiplying and **dividing decimals**.

(9) 2.864 × 0.69

(10) 68.75 × 3.8

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

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

61

Date: Time taken: Score:

(1) 978 + 216 =

(2) 387 + 653 =

(3) 930 - 227 =

(4) 948 - 557 =

(5) 6182 × 72

(6) 1648 × 94

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

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

Finding a fraction of a quantity.

(9) $^1/_4$ of 36 =

(10) $^1/_5$ of 95 =

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

(12) $^1/_8$ of 64 =

(13) $^1/_5$ of 200 =

(14) $^1/_6$ of 180 =

(15) $^1/_4$ of 320 =

(16) $^1/_8$ of 400 =

62

Date: Time taken: Score:

(1) 290 + 956 =

(2) 624 + 419 =

(3) 419 - 270 =

(4) 783 - 536 =

(5) 3740 × 27

(6) 2750 × 49

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

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

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) 9.42**7**6

(11) **8**.45

(12) **2**07.6

(13) 3.**0**7

(14) 6.1**4**8

(15) 1.**2**5

(16) **2**95.17

63

Date: Time taken: Score:

(1) 278 + 349 =

(2) 753 + 962 =

(3) 680 - 161 =

(4) 638 - 155 =

(5) 9561 × 72

(6) 6319 × 94

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

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

Convert these decimals to fractions.

Example: 0.5 = $^1/_2$

(9) 0.5 =

(10) 0.25 =

(11) $0.33\dot{3}$ =

(12) $0.66\dot{6}$ =

(13) 0.75 =

(14) 0.2 =

(15) 0.1 =

(16) 0.3 =

Answers

$^2/_3$ $^1/_4$

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

$^3/_{10}$ $^3/_4$

$^1/_5$ $^1/_{10}$

64

Date: Time taken: Score:

(1) 915 + 456 =

(2) 158 + 775 =

(3) 679 - 288 =

(4) 680 - 161 =

(5) 8237 × 27

(6) 4827 × 49

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

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

List these decimals in order of smallest to largest.

3.12, 3.20, 3.19, 3.22, 3.17, 3.12, 3.10, 3.26

(9)

4.31, 4.38, 4.40, 4.46, 4.39, 4.40, 4.42, 4.32

(10)

5.39, 5.34, 5.42, 5.38, 5.40, 5.43, 5.32, 5.41

(11)

65

Date: Time taken: Score:

(1) 630 + 598 =

(2) 952 + 719 =

(3) 856 - 268 =

(4) 814 - 490 =

(5) 4095 × 72

(6) 5093 × 94

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

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

Multiplying and dividing by 10, 100 or 1000.

(9) 0.864 × 100 =

(10) 3.765 × 1000 =

(11) 1.695 × 10 =

(12) 79.16 × 100 =

(13) 10.51 × 1000 =

(14) 52.14 ÷ 10 =

(15) 95.63 ÷ 100 =

(16) 965.7 ÷ 1000 =

(17) 168.7 ÷ 10 =

(18) 6.942 ÷ 100 =

66

Date: Time taken: Score:

(1) 478 + 197 =

(2) 141 + 971 =

(3) 837 - 185 =

(4) 766 - 439 =

(5) 2378 × 75

(6) 8274 × 86

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

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

Prime numbers, multiples & factors

(9) **List** the **prime numbers** between **15** and **40**.

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

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

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

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

67

Date: Time taken: Score:

(1) 645 + 509 =

(2) 376 + 469 =

(3) 380 - 154 =

(4) 654 - 170 =

(5) 9054 × 57

(6) 9035 × 68

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

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

Order of **operations**. BEDMAS

(9) 8 × 2 + 15 =

(10) 56 ÷ 7 - 4 =

(11) 28 ÷ 7 + 37 =

(12) 4 × 6 - 19 =

(13) 46 + 63 ÷ 9 =

(14) 14 + 9 × 5 =

(15) 51 - 7 × 5 =

(16) 32 - 72 ÷ 8 =

68

Date: Time taken: Score:

(1) 471 + 878 =

(2) 708 + 594 =

(3) 929 - 453 =

(4) 761 - 636 =

(5) 1826 × 75

(6) 6481 × 86

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

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

Match these **equivalent fractions**.

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

(9) $^3/_5$ =

(10) $^{20}/_{24}$ =

(11) $^9/_{36}$ =

(12) $^2/_3$ =

(13) $^3/_4$ =

(14) $^{21}/_{30}$ =

(15) $^{15}/_{30}$ =

(16) $^3/_7$ =

Answers:

$^1/_2$ $^{18}/_{24}$ $^5/_6$ $^9/_{21}$ $^{15}/_{25}$ $^1/_4$ $^7/_{10}$ $^{12}/_{18}$

69

Date: Time taken: Score:

(1) 689 + 167 =

(2) 762 + 786 =

(3) 952 - 648 =

(4) 827 - 137 =

(5) 7403 × 57

(6) 7502 × 68

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

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

Calculate the change in temperatures.

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

(10) Starting temperature 40°C, **drops** 9°C.

(11) Starting temperature 5°C, **rises** 7°C.

(12) Starting temperature $^-$8°C, **rises** 9°C.

(13) Starting temperature $^-$6°C, **drops** 5°C.

70

Date: Time taken: Score:

(1) 918 + 927 =

(2) 548 + 272 =

(3) 903 - 272 =

(4) 363 - 269 =

(5) 5619 × 75

(6) 3169 × 86

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

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

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

Example: 50% = 0.5

(9) 25% =

(10) 50% =

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

(12) 75% =

(13) 10% =

(14) 40% =

(15) 90% =

(16) $66\frac{2}{3}$% =

Answers

0.75 $0.3\dot{3}$ 0.9 0.25 0.4 0.1 0.5 $0.6\dot{6}$

71

Date: Time taken: Score:

(1) 662 + 866 =

(2) 914 + 246 =

(3) 951 - 305 =

(4) 737 - 565 =

5. 3782 × 83

6. 2748 × 96

7. $6\overline{)4524}$

8. $4\overline{)3440}$

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

$18.95
$25.70
$30.25
$27.35
+ $9.85

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

72

Date: Time taken: Score:

(1) 387 + 653 =

(2) 290 + 956 =

(3) 806 - 511 =

(4) 594 - 186 =

(5) 9540 × 38

(6) 9350 × 69

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

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

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

Example: 0.5 = 50%

(9) 0.65 =

(10) 0.9 =

(11) $0.3\dot{3}$ =

(12) 0.75 =

(13) 0.5 =

(14) 0.05 =

(15) $0.6\dot{6}$ =

(16) 0.25 =

Answers

$33\frac{1}{3}\%$ 5%
75% 65%
25% $66\frac{2}{3}\%$
90% 50%

73

Date: Time taken: Score:

(1) 749 + 536 =

(2) 149 + 682 =

(3) 642 - 546 =

(4) 865 - 286 =

(5) 8261 × 83

(6) 4816 × 96

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

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

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

(9) 856 (10) 173 (11) 739

(12) 349 (13) 264 (14) 647

Round these numbers to the nearest **1000**.

(15) 2485 (16) 9450 (17) 7812

(18) 6705 (19) 4145 (20) 6500

74

Date: Time taken: Score:

(1) 562 + 975 =

(2) 768 + 329 =

(3) 766 - 493 =

(4) 758 - 159 =

(5) 4037 × 38

(6) 5027 × 69

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

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

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

(9) $\frac{1}{2}$ of 47 =

(10) $\frac{1}{3}$ of 48 =

(11) $\frac{1}{7}$ of 56 =

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

(13) $\frac{1}{3}$ of 210 =

(14) $\frac{1}{7}$ of 140 =

(15) $\frac{1}{10}$ of 340 =

(16) $\frac{1}{2}$ of 276 =

75

Date: Time taken: Score:

(1) 463 + 287 =

(2) 580 + 984 =

(3) 982 - 689 =

(4) 308 - 145 =

(5) 6195 × 83

(6) 1693 × 96

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

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

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

(9) ten point five six three

(10) seven point eight nine four

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

(11) 5.623

(12) 147.8

(13) 92.64

76

Date: Time taken: Score:

(1) 788 + 903 =

(2) 697 + 136 =

(3) 717 - 666 =

(4) 964 - 749 =

(5) 7823 × 26

(6) 7482 × 48

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

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

Convert these **fractions** to **decimals.**
Example: $^1/_2 = 0.5$

(9) $^1/_4$ =

(10) $^1/_5$ =

(11) $^1/_2$ =

(12) $^1/_3$ =

(13) $^2/_3$ =

(14) $^7/_{10}$ =

(15) $^2/_5$ =

(16) $^3/_4$ =

Answers

0.33· 0.7

0.4 0.25

0.75 0.66·

0.2 0.5

77

Date: Time taken: Score:

(1) 782 + 767 =

(2) 659 + 405 =

(3) 795 - 299 =

(4) 529 - 486 =

(5) 5409 × 62

(6) 3509 × 84

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

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

(9) How much would 8 C.D.'s at $27.45 each cost?

(10) How much would 3 kilograms of meat at $12.85 per kilogram cost?

(11) If 5 exercise books cost $6.75, what is the cost of one exercise book?

78

Date: Time taken: Score:

(1) 283 + 388 =

(2) 427 + 986 =

(3) 636 - 296 =

(4) 480 - 376 =

(5) 2618 × 26

(6) 8164 × 48

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

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

Calculate the change in temperatures.

(9) Starting temperature 3°C, **drops** 9°C.

(10) Starting temperature 70°C, **rises** 5°C.

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

(12) Starting temperature $^-$8°C, **rises** 10°C.

(13) Starting temperature $^-$5°C, **drops** 4°C.

79

Date: Time taken: Score:

(1) 539 + 806 =

(2) 278 + 349 =

(3) 491 - 196 =

(4) 915 - 350 =

(5) 3074 × 62

(6) 2075 × 84

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

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

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

(9) 9.345 × 100 =

(10) 1.56 × 1000 =

(11) 8.572 × 10 =

(12) 87.54 × 100 =

(13) 0.1681 × 1000 =

(14) 23.95 ÷ 10 =

(15) 962.5 ÷ 100 =

(16) 9120 ÷ 1000 =

(17) 37.98 ÷ 10 =

(18) 56.74 ÷ 100 =

80

Date: Time taken: Score:

(1) 753 + 962 =

(2) 908 + 173 =

(3) 945 - 861 =

(4) 975 - 126 =

(5) 1956 × 26

(6) 6931 × 48

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

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

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 20 in a test.

(10) It rained 23 days out of 30 days.

(11) It was sunny 5 days last week.

(12) What fraction of your class are girls?

81

Date: Time taken: Score:

(1) 369 + 378 =

(2) 311 + 893 =

(3) 780 - 622 =

(4) 724 - 364 =

(5) 9054 × 59

(6) 9035 × 37

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

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

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

Example: 0.5 = $^1/_2$

(9) 0.25 =

(10) 0.3 =

(11) 0.6 =

(12) 0.5 =

(13) 0.75 =

(14) 0.33· =

(15) 0.66· =

(16) 0.9 =

Answers

$^9/_{10}$ $^3/_5$

$^1/_2$ $^1/_4$

$^3/_4$ $^3/_{10}$

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

82

Date: Time taken: Score:

(1) 833 + 259 =

(2) 767 + 297 =

(3) 785 - 195 =

(4) 791 - 314 =

(5) 1826 × 95

(6) 6481 × 73

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

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

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

(9) $^1/_3$ of 69 =

(10) $^1/_5$ of 85 =

(11) $^1/_4$ of 48 =

(12) $^1/_9$ of 81 =

(13) $^1/_5$ of 465 =

(14) $^1/_3$ of 270 =

(15) $^1/_9$ of 270 =

(16) $^1/_4$ of 360 =

83

Date: Time taken: Score:

(1) 650 + 672 =

(2) 904 + 836 =

(3) 587 - 249 =

(4) 928 - 698 =

(5) 7403 × 59

(6) 7502 × 37

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

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

Add these positive and negative numbers

(9) 4 + 9 =

(10) $^-8$ + 9 =

(11) 8 + 3 =

(12) 5 + $^-4$ =

(13) $^-9$ + 7 =

(14) 6 + 7 =

(15) 6 + $^-8$ =

(16) $^-5$ + $^-2$ =

84

Date: Time taken: Score:

(1) 393 + 297 =

(2) 294 + 841 =

(3) 946 - 794 =

(4) 670 - 249 =

(5) 5619 × 95

(6) 3169 × 73

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

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

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

(9) 986 + 4321 ____ + ____ = ____

(10) 6209 - 3894 ____ - ____ = ____

(11) 3759 × 103 ____ × ____ = ____

(12) 6109 ÷ 6 ____ ÷ ____ = ____

85

Date: Time taken: Score:

(1) 915 + 456 =

(2) 278 + 483 =

(3) 941 - 832 =

(4) 759 - 299 =

(5) 2378 × 59

(6) 8274 × 37

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

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

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

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

(9) 9.**4** ____ ____

(10) 76.4**2**8 ____ ____

(11) **7**.68 ____ ____

(12) 37**2**.3 ____ ____

(13) 3.0**9** ____ ____

(14) 6.1**4**6 ____ ____

(15) 4.**7**5 ____ ____

(16) **8**14.72 ____ ____

86

Date: Time taken: Score:

(1) 796 + 740 =

(2) 918 + 927 =

(3) 408 - 367 =

(4) 590 - 423 =

(5) 9540 × 27

(6) 9350 × 49

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

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

Match these **equivalent fractions.**

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

(9) $^1/_2$ = (10) $^{24}/_{32}$ =

(11) $^{18}/_{20}$ = (12) $^1/_3$ =

(13) $^5/_7$ = (14) $^{18}/_{30}$ =

(15) $^{16}/_{28}$ = (16) $^4/_5$ =

Answers:
$^9/_{27}$ $^3/_4$ $^3/_5$ $^{24}/_{30}$ $^9/_{10}$ $^{16}/_{32}$ $^{15}/_{21}$ $^4/_7$

87

Date: Time taken: Score:

(1) 158 + 775 =

(2) 630 + 598 =

(3) 453 - 127 =

(4) 419 - 169 =

(5) 8261 × 72

(6) 4816 × 94

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

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

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

(9) Abbey scored 45 out of 50 in a test.

(10) It rained 21 days out of 30 days.

(11) It was sunny 6 days last week.

(12) What fraction of your class are boys?

88

Date: Time taken: Score:

(1) 788 + 903 =

(2) 478 + 197 =

(3) 759 - 261 =

(4) 691 - 508 =

(5) 4037 × 27

(6) 5027 × 49

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

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

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

Example: 50% = 0.5

(9) 25% = (10) 5% =

(11) $66\frac{2}{3}\%$ = (12) 10% =

(13) 90% = (14) $33\frac{1}{3}\%$ =

(15) 60% = (16) 75% =

Answers
0.6 0.66· 0.05 0.9 0.33· 0.25 0.1 0.75

89

Date: Time taken: Score:

(1) 141 + 971 =

(2) 815 + 448 =

(3) 652 - 417 =

(4) 807 - 226 =

(5) 6195 × 72

(6) 1693 × 94

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

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

Calculate the **squares** of these numbers.

(9) 4^2 (10) 11^2 (11) 6^2

(12) 12^2 (13) 7^2 (14) 15^2

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

(15) $\sqrt{144}$ (16) $\sqrt{81}$ (17) $\sqrt{100}$

(18) $\sqrt{64}$ (19) $\sqrt{225}$ (20) $\sqrt{25}$

90

Date: Time taken: Score:

(1) 387 + 653 =

(2) 290 + 956 =

(3) 916 - 145 =

(4) 584 - 307 =

(5) 3782 × 27

(6) 2748 × 49

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

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

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

2.61, 2.58, 2.62, 2.59, 2.60, 2.63, 2.67, 2.53

(9)

1.16, 1.18, 1.09, 1.13, 1.07, 1.01, 1.14, 1.19, 1.08

(10)

6.73, 6.69, 6.72, 6.68, 6.72, 6.63, 6.70, 6.69

(11)

91

Date: Time taken: Score:

(1) 659 + 405 =

(2) 376 + 469 =

(3) 950 - 555 =

(4) 578 - 294 =

(5) 5409 × 57

(6) 3509 × 68

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

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

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

(9) 86.47 × 100 =

(10) 2.984 × 1000 =

(11) 237.4 × 10 =

(12) 63.78 × 100 =

(13) 7.135 × 1000 =

(14) 947.5 ÷ 10 =

(15) 69.37 ÷ 100 =

(16) 376.1 ÷ 1000 =

(17) 840.6 ÷ 10 =

(18) 451.8 ÷ 100 =

92

Date: Time taken: Score:

(1) 471 + 878 =

(2) 547 + 548 =

(3) 706 - 492 =

(4) 976 - 477 =

(5) 2618 × 75

(6) 8164 × 86

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

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

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

(9) five hundred & one point three seven

(10) four point nine eight five

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

(11) 451.8

(12) 6.792

(13) 18.056

93

Date: Time taken: Score:

(1) 548 + 272 =

(2) 662 + 866 =

(3) 785 - 188 =

(4) 419 - 328 =

(5) 3074 × 57

(6) 2075 × 68

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

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

Add these positive and negative numbers

(9) 8 + 5 =

(10) −6 + 8 =

(11) 3 + 9 =

(12) 5 + −10 =

(13) −5 + 7 =

(14) 4 + 8 =

(15) 4 + −9 =

(16) −6 + −3 =

94

Date: Time taken: Score:

(1) 914 + 246 =

(2) 689 + 167 =

(3) 905 - 234 =

(4) 842 - 624 =

(5) 1956 × 75

(6) 6931 × 86

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

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

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

Example: 0.5 = 50%

(9) 0.25 =

(10) 0.8 =

(11) $0.66\dot{6}$ =

(12) 0.15 =

(13) 0.05 =

(14) 0.5 =

(15) 0.75 =

(16) $0.3\dot{3}$ =

Answers

15% $66\frac{2}{3}$%

75% 25%

$33\frac{1}{3}$% 5%

80% 50%

95

Date: Time taken: Score:

(1) 762 + 486 =

(2) 952 + 719 =

(3) 744 - 648 =

(4) 534 - 271 =

(5) 7823 × 57

(6) 7482 × 68

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

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

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

(9) $\frac{1}{4}$ of 52 =

(10) $\frac{1}{6}$ of 72 =

(11) $\frac{1}{7}$ of 63 =

(12) $\frac{1}{10}$ of 99 =

(13) $\frac{1}{4}$ of 280 =

(14) $\frac{1}{10}$ of 275 =

(15) $\frac{1}{6}$ of 420 =

(16) $\frac{1}{7}$ of 490 =

96

Date: Time taken: Score:

(1) 149 + 682 =

(2) 562 + 975 =

(3) 919 - 780 =

(4) 680 - 308 =

(5) 1826 × 38

(6) 6481 × 69

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

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

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

(9) 9231 + 7905 ____ + ____ = ____

(10) 6675 - 2310 ____ - ____ = ____

(11) 4056 × 186 ____ × ____ = ____

(12) 5496 ÷ 5 ____ ÷ ____ = ____

97

Date: Time taken: Score:

(1) 529 + 573 =

(2) 278 + 349 =

(3) 893 - 374 =

(4) 526 - 174 =

(5) 7403 × 83

(6) 7502 × 96

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

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

Calculate the change in temperatures.

(9) Starting temperature 6°C, **drops** 12°C.

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

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

(12) Starting temperature $^{-}$6°C, **rises** 9°C.

(13) Starting temperature $^{-}$8°C, **drops** 5°C.

98

Date: Time taken: Score:

(1) 753 + 962 =

(2) 539 + 806 =

(3) 548 - 370 =

(4) 894 - 755 =

(5) 5619 × 38

(6) 3169 × 69

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

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

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

Example: $^1/_2 = 0.5$

(9) $^1/_3$ = ____ (10) $^1/_2$ = ____

(11) $^1/_5$ = ____ (12) $^1/_4$ = ____

(13) $^2/_3$ = ____ (14) $^9/_{10}$ = ____

(15) $^3/_4$ = ____ (16) $^4/_5$ = ____

Answers

0.25 0.2

0.9 0.33·

0.5 0.8

0.66· 0.75

99

Date: Time taken: Score:

(1) 463 + 287 =

(2) 580 + 984 =

(3) 491 - 207 =

(4) 905 - 555 =

(5) 2378 × 83

(6) 8274 × 96

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

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

(9) How much would 6 C.D.'s at $32.95 each cost? ____

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

(11) If 9 exercise books cost $9.45, what is the cost of one exercise book? ____

100

Date: Time taken: Score:

(1) 978 + 216 =

(2) 283 + 388 =

(3) 967 - 477 =

(4) 833 - 515 =

(5) 5904 × 38

(6) 9035 × 69

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

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

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

(9) 50% of 42 = ____ (10) 25% of 24 = ____

(11) 10% of 15 = ____ (12) $33\frac{1}{3}$% of 36 = ____

(13) 10% of 347 = ____ (14) 50% of 160 = ____

(15) $33\frac{1}{3}$% of 120 = ____ (16) 25% of 280 = ____

101

Date: Time taken: Score:

(1) 149 + 975 =

(2) 471 + 879 =

(3) 810 - 695 =

(4) 645 - 498 =

(5) 1549 × 57

(6) 7093 × 93

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

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

Order of **operations.**

(9) 6 × 6 + 49 =

(10) 49 ÷ 7 - 6 =

(11) 63 ÷ 9 + 15 =

(12) 8 × 8 - 37 =

(13) 14 + 48 ÷ 8 =

(14) 45 + 9 × 6 =

(15) 63 - 9 × 4 =

(16) 72 - 81 ÷ 9 =

102

Date: Time taken: Score:

(1) 976 + 748 =

(2) 667 + 868 =

(3) 761 - 579 =

(4) 734 - 497 =

(5) 4962 × 92

(6) 3951 × 74

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

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

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) 9.**3**

(10) 74.3**6**3

(11) **4**.52

(12) **2**73.9

(13) 2.0**9**

(14) 6.4**1**8

(15) 7.**2**3

(16) **6**14.75

103

Date: Time taken: Score:

(1) 298 + 954 =

(2) 856 + 397 =

(3) 902 - 739 =

(4) 976 - 599 =

(5) 7260 × 56

(6) 5419 × 87

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

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

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

(9) $5.6 \times 10^2 =$

(10) $2.9 \times 10^3 =$

(11) $1.7 \div 10^3 =$

(12) $3.4 \div 10^2 =$

(13) $9.2 \times 10^4 =$

(14) $7.5 \times 10^6 =$

(15) $4.9 \div 10^5 =$

104

Date: Time taken: Score:

(1) 586 + 985 =

(2) 786 + 769 =

(3) 812 - 538 =

(4) 704 - 528 =

(5) 3670 × 63

(6) 2964 × 98

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

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

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

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

(9) 0.33 =

(10) 0.25 =

(11) 0.9 =

(12) 0.4 =

(13) 0.75 =

(14) 0.5 =

(15) 0.1 =

(16) 0.66̇ =

Answers

$^{9}/_{10}$ $^{1}/_{3}$

$^{3}/_{4}$ $^{1}/_{2}$

$^{1}/_{10}$ $^{2}/_{5}$

$^{1}/_{4}$ $^{2}/_{3}$

105

Date: Time taken: Score:

(1) 842 + 998 =

(2) 753 + 967 =

(3) 420 - 137 =

(4) 918 - 429 =

(5) 1935 × 82

(6) 2760 × 64

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

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

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

(9) Abbey scored 85 out of 100 in a test.

(10) It rained 12 days out of 60 days.

(11) It was sunny 2 days last week.

(12) What fraction of your class likes maths?

106

Date: Time taken: Score:

(1) 317 + 894 =

(2) 965 + 367 =

(3) 741 - 478 =

(4) 805 - 347 =

(5) 3709 × 75

(6) 2964 × 39

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

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

Finding a fraction of a quantity.

(9) $\frac{1}{3}$ of 36 =

(10) $\frac{1}{9}$ of 63 =

(11) $\frac{1}{10}$ of 47 =

(12) $\frac{1}{12}$ of 24 =

(13) $\frac{1}{9}$ of 450 =

(14) $\frac{1}{3}$ of 330 =

(15) $\frac{1}{12}$ of 360 =

(16) $\frac{1}{10}$ of 256 =

107

Date: Time taken: Score:

(1) 298 + 848 =

(2) 792 + 748 =

(3) 321 - 192 =

(4) 903 - 698 =

(5) 3519 × 92

(6) 2706 × 27

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

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

Convert these percentages to decimals.

Example: 50% = 0.5

(9) 5% =

(10) 95% =

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

(12) 10% =

(13) 25% =

(14) $66\frac{2}{3}$% =

(15) 40% =

(16) 75% =

Answers

0.1 0.33·

0.75 0.05

0.66· 0.25

0.95 0.4

108

Date: Time taken: Score:

(1) 637 + 597 =

(2) 578 + 597 =

(3) 941 - 383 =

(4) 812 - 443 =

(5) 4519 × 65

(6) 3097 × 78

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

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

Finding a percentage of a quantity. %

(9) 25% of 48 =

(10) 10% of 65 =

(11) 40% of 50 =

(12) 50% of 84 =

(13) 10% of 175 =

(14) 40% of 300 =

(15) 25% of 200 =

(16) 50% of 465 =

109

Date: Time taken: Score:

(1) 764 + 696 =

(2) 895 + 676 =

(3) 720 - 389 =

(4) 853 - 497 =

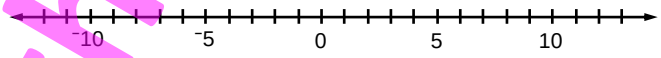
(5) 9624 × 36

(6) 3915 × 89

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

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

Add these positive and negative numbers



(9) 6 + 7 =

(10) $^{-}10 + 8$ =

(11) 8 + 5 =

(12) $9 + {}^{-}6$ =

(13) $^{-}7 + 6$ =

(14) 3 + 8 =

(15) $3 + {}^{-}9$ =

(16) $^{-}4 + {}^{-}3$ =

110

Date: Time taken: Score:

(1) 488 + 726 =

(2) 487 + 753 =

(3) 416 - 289 =

(4) 502 - 354 =

(5) 2067 × 28

(6) 4915 × 46

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

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

Order of operations. BEDMAS

(9) 3 × 7 + 34 =

(10) 14 ÷ 2 - 5 =

(11) 48 ÷ 6 + 17 =

(12) 8 × 7 - 43 =

(13) 23 + 45 ÷ 9 =

(14) 75 + 2 × 9 =

(15) 63 - 8 × 3 =

(16) 31 - 64 ÷ 8 =

111

Date: Time taken: Score:

(1) 849 + 382 =

(2) 634 + 879 =

(3) 640 - 456 =

(4) 931 - 587 =

(5) 4962 × 57

(6) 5319 × 93

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

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

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

Example: 0.5 = 50%

(9) 0.15 =

(10) 0.5 =

(11) 0.3 =

(12) 0.75 =

(13) 0.45 =

(14) $0.33\dot{3}$ =

(15) $0.66\dot{6}$ =

(16) 0.25 =

Answers

75% $66\frac{2}{3}$%

45% 15%

$33\frac{1}{3}$% 30%

50% 25%

112

Date: Time taken: Score:

(1) 979 + 368 =

(2) 783 + 588 =

(3) 825 - 546 =

(4) 540 - 161 =

(5) 7260 × 92

(6) 4519 × 74

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

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

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

(9) $6.9 \times 10^2 =$

(10) $9.2 \times 10^3 =$

(11) $7.3 \div 10^3 =$

(12) $1.5 \div 10^2 =$

(13) $3.6 \times 10^5 =$

(14) $8.2 \times 10^6 =$

(15) $4.7 \div 10^4 =$

113

Date: Time taken: Score:

(1) 789 + 494 =

(2) 269 + 978 =

(3) 774 - 289 =

(4) 684 - 396 =

(5) 9027 × 56

(6) 4962 × 87

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

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

(9) How much would 9 C.D.'s at $23.95 each cost?

(10) How much would 2 kilograms of meat at $17.45 per kilogram cost?

(11) If 7 exercise books cost $9.59, what is the cost of one exercise book?

114

Date: Time taken: Score:

(1) 672 + 978 =

(2) 936 + 974 =

(3) 702 - 187 =

(4) 953 - 484 =

(5) 3915 × 63

(6) 2670 × 98

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

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

Order of **operations.**

BEDMAS

(9) 4 × 9 + 29 =

(10) 27 ÷ 3 - 8 =

(11) 36 ÷ 6 + 17 =

(12) 4 × 6 - 15 =

(13) 32 + 56 ÷ 8 =

(14) 37 + 6 × 8 =

(15) 92 - 8 × 9 =

(16) 34 - 54 ÷ 6 =

115

Date: Time taken: Score:

(1) 578 + 883 =

(2) 958 + 275 =

(3) 836 - 378 =

(4) 530 - 264 =

(5) 1549 × 82

(6) 7039 × 64

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

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

Multiplying and **dividing decimals.**

(9) 18.75 × 4.7

(10) 24.93 × 0.29

(11) $0.9\overline{)170.1}$

(12) $0.05\overline{)2.425}$

116

Date: Time taken: Score:

(1) 837 + 296 =

(2) 949 + 861 =

(3) 416 - 289 =

(4) 645 - 498 =

(5) 3915 × 75

(6) 7026 × 39

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

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

Finding a percentage of a quantity. %

(9) $33\frac{1}{3}$% of 21 =

(10) 25% of 32 =

(11) 50% of 65 =

(12) 20% of 40 =

(13) 20% of 120 =

(14) 50% of 428 =

(15) 25% of 160 =

(16) $33\frac{1}{3}$% of 240 =

117

Date: Time taken: Score:

(1) 695 + 746 =

(2) 978 + 947 =

(3) 763 - 396 =

(4) 918 - 429 =

(5) 5419 × 29

(6) 9037 × 47

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

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

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

(9) 6842 + 3342 ≈ + =

(10) 9137 - 5768 ≈ - =

(11) 2759 × 394 ≈ × =

(12) 5394 ÷ 9 ≈ ÷ =

118

Date: Time taken: Score:

(1) 787 + 935 =

(2) 853 + 488 =

(3) 927 - 279 =

(4) 551 - 276 =

(5) 4926 × 65

(6) 5931 × 78

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

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

Order of operations. BEDMAS

(9) 4 × 7 + 34 =

(10) 30 ÷ 6 - 5 =

(11) 42 ÷ 7 + 28 =

(12) 8 × 7 - 19 =

(13) 14 + 54 ÷ 9 =

(14) 23 + 6 × 8 =

(15) 61 - 8 × 5 =

(16) 41 - 18 ÷ 3 =

119

Date: Time taken: Score:

(1) 957 + 358 =

(2) 892 + 779 =

(3) 806 - 117 =

(4) 910 - 478 =

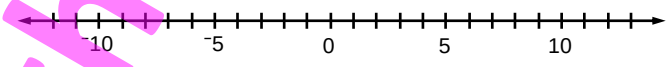
(5) 6027 × 36

(6) 4915 × 89

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

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

Add these positive and negative numbers



(9) 5 + 6 =

(10) $^{-}7 + 9$ =

(11) 7 + 4 =

(12) $5 + {}^{-}8$ =

(13) $^{-}5 + 9$ =

(14) 9 + 3 =

(15) $3 + {}^{-}11$ =

(16) $^{-}5 + {}^{-}6$ =

120

Date: Time taken: Score:

(1) 794 + 326 =

(2) 693 + 459 =

(3) 623 - 365 =

(4) 814 - 265 =

(5) 9037 × 28

(6) 4926 × 46

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

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

Convert these fractions to decimals.

Example: $^1/_2 = 0.5$

(9) $^1/_5$ =

(10) $^1/_4$ =

(11) $^1/_2$ =

(12) $^1/_3$ =

(13) $^3/_4$ =

(14) $^1/_{10}$ =

(15) $^3/_{10}$ =

(16) $^2/_3$ =

Answers

0.25	0.75
0.1	0.2
0.33·	0.66·
0.3	0.5

121

Date: Time taken: Score:

(1) 596 + 538 =

(2) 598 + 926 =

(3) 467 - 168 =

(4) 962 - 386 =

(5) 7062 × 57

(6) 1419 × 93

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

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

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

$25.95
$75.40
$105.15
$12.64
+ $9.85

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

122

Date: Time taken: Score:

(1) 654 + 598 =

(2) 979 + 956 =

(3) 915 - 759 =

(4) 602 - 275 =

(5) 3079 × 92

(6) 2694 × 74

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

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

Order of **operations**.

(9) 5 × 6 + 23 =

(10) 24 ÷ 3 - 7 =

(11) 63 ÷ 7 + 56 =

(12) 6 × 4 - 18 =

(13) 17 + 45 ÷ 5 =

(14) 29 + 7 × 9 =

(15) 90 - 2 × 6 =

(16) 42 - 40 ÷ 8 =

123

Date: Time taken: Score:

(1) 598 + 862 =

(2) 985 + 157 =

(3) 931 - 245 =

(4) 620 - 153 =

(5) 5913 × 56

(6) 2067 × 87

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

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

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

Example: 0.5 = $^1/_2$

(9) 0.7 =

(10) 0.33· =

(11) 0.25 =

(12) 0.4 =

(13) 0.5 =

(14) 0.75 =

(15) 0.66· =

(16) 0.3 =

Answers

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

124

Date: Time taken: Score:

(1) 764 + 949 =

(2) 678 + 654 =

(3) 763 - 396 =

(4) 951 - 164 =

(5) 5941 × 63

(6) 3097 × 98

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

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

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

(9) Abbey scored 56 out of 80 in a test.

(10) It rained 13 days out of 52 days.

(11) It was sunny 6 days last week.

(12) What fraction of your class likes cats?

125

Date: Time taken: Score:

(1) 878 + 539 =

(2) 989 + 136 =

(3) 830 - 652 =

(4) 927 - 279 =

(5) 4962 × 82

(6) 9315 × 64

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

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

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

(9) $9.6 \times 10^2 =$

(10) $5.1 \times 10^3 =$

(11) $4.7 \div 10^3 =$

(12) $6.3 \div 10^2 =$

(13) $2.3 \times 10^4 =$

(14) $3.7 \times 10^6 =$

(15) $9.5 \div 10^5 =$

126

Date: Time taken: Score:

(1) 149 + 975 =

(2) 856 + 397 =

(3) 810 - 695 =

(4) 976 - 599 =

(5) 2748 × 57

(6) 3950 × 39

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

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

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) 6.**8**

(10) 12.9**4**3

(11) **9**.42

(12) 37**5**.9

(13) 6.0**9**

(14) 9.7**4**2

(15) 3.**4**6

(16) **6**14.34

127

Date: Time taken: Score:

(1) 317 + 894 =

(2) 578 + 597 =

(3) 741 - 478 =

(4) 812 - 443 =

(5) 4816 × 92

(6) 2750 × 74

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

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

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

(9) 25% of 28 =

(10) 40% of 50 =

(11) $33\frac{1}{3}$% of 36 =

(12) $66\frac{2}{3}$% of 24 =

(13) 40% of 150 =

(14) $33\frac{1}{3}$% of 180 =

(15) 25% of 240 =

(16) $66\frac{2}{3}$% of 300 =

128

Date: Time taken: Score:

(1) 849 + 382 =

(2) 269 + 978 =

(3) 640 - 456 =

(4) 684 - 396 =

(5) 9316 × 56

(6) 4827 × 87

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

8. $9\overline{)4941}$

Add these positive and negative numbers

(9) 7 + 5 =

(10) $^{-}12 + 8$ =

(11) 9 + 4 =

(12) $7 + {}^{-}13$ =

(13) $^{-}8 + 10$ =

(14) 9 + 6 =

(15) $7 + {}^{-}12$ =

(16) $^{-}5 + {}^{-}4$ =

129

Date: Time taken: Score:

(1) 837 + 296 =

(2) 853 + 488 =

(3) 416 - 289 =

(4) 551 - 276 =

(5) 5039 × 63

(6) 6814 × 98

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

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

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

Example: 50% = 0.5

(9) 20% =

(10) 50% =

(11) $66\frac{2}{3}$% =

(12) 95% =

(13) 5% =

(14) $33\frac{1}{3}$% =

(15) 25% =

(16) 75% =

Answers

0.5 0.05

0.33· 0.2

0.75 0.66·

0.95 0.25

130

Date: Time taken: Score:

(1) 596 + 538 =

(2) 985 + 157 =

(3) 467 - 168 =

(4) 620 - 153 =

(5) 5027 × 82

(6) 1693 × 64

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

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

Order of **operations.**

(9) 9 × 9 + 45 =

(10) 21 ÷ 3 - 5 =

(11) 42 ÷ 7 + 17 =

(12) 6 × 8 - 29 =

(13) 26 + 40 ÷ 5 =

(14) 17 + 9 × 4 =

(15) 82 - 6 × 4 =

(16) 34 - 40 ÷ 8 =

131

Date: Time taken: Score:

(1) 471 + 879 =

(2) 586 + 985 =

(3) 645 - 498 =

(4) 812 - 538 =

(5) 3059 × 75

(6) 1846 × 93

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

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

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

(9) $6.7 \times 10^3 =$

(10) $4.8 \times 10^2 =$

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

(12) $3.6 \div 10^3 =$

(13) $5.1 \times 10^4 =$

(14) $2.4 \times 10^5 =$

(15) $8.2 \div 10^5 =$

132

Date: Time taken: Score:

(1) 965 + 367 =

(2) 764 + 696 =

(3) 805 - 347 =

(4) 720 - 389 =

(5) 7025 × 29

(6) 3961 × 47

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

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

Multiplying and **dividing decimals.**

(9) 3.195 × 8.3

(10) 24.68 × 0.65

(11) $0.8\overline{)14.24}$

(12) $0.06\overline{)1.782}$

133

Date: Time taken: Score:

(1) 634 + 879 =

(2) 672 + 978 =

(3) 931 - 587 =

(4) 702 - 187 =

(5) 2784 × 65

(6) 3950 × 78

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

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

Convert these decimals to percentages.

Example: 0.5 = 50%

(9) $0.33\dot{} =$

(10) 0.65 =

(11) 0.4 =

(12) 0.9 =

(13) 0.10 =

(14) $0.66\dot{} =$

(15) 0.25 =

(16) 0.75 =

Answers

25% 90%

75% $66\frac{2}{3}\%$

40% 65%

$33\frac{1}{3}\%$ 10%

134

Date: Time taken: Score:

(1) 949 + 861 =

(2) 957 + 358 =

(3) 645 - 498 =

(4) 806 - 117 =

(5) 8416 × 36

(6) 2750 × 98

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

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

Order of operations.

BEDMAS

(9) $2 \times 6 + 27 =$

(10) $42 \div 6 - 7 =$

(11) $49 \div 7 + 35 =$

(12) $9 \times 8 - 53 =$

(13) $64 + 32 \div 4 =$

(14) $29 + 6 \times 5 =$

(15) $91 - 6 \times 9 =$

(16) $81 - 56 \div 8 =$

135

Date: Time taken: Score:

(1) 598 + 926 =

(2) 764 + 949 =

(3) 962 - 386 =

(4) 763 - 396 =

(5) 9631 × 28

(6) 4728 × 46

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

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

(10) How much would 7 C.D.'s at $25.65 each cost?

(10) How much would 3 kilograms of meat at $13.45 per kilogram cost?

(11) If 8 exercise books cost $10.24, what is the cost of one exercise book?

136

Date: Time taken: Score:

(1) 976 + 748 =

(2) 786 + 769 =

(3) 761 - 579 =

(4) 704 - 528 =

(5) 4816 × 57

(6) 5027 × 39

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

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

Finding a percentage of a quantity. %

(9) 10% of 87 =

(10) 25% of 60 =

(11) 75% of 24 =

(12) $33\frac{1}{3}$% of 27 =

(13) 10% of 154 =

(14) 25% of 280 =

(15) 75% of 200 =

(16) $33\frac{1}{3}$% of 360 =

137

Date: Time taken: Score:

(1) 298 + 848 =

(2) 895 + 676 =

(3) 321 - 192 =

(4) 853 - 497 =

(5) 3916 × 92

(6) 2748 × 74

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

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

Order of operations. BEDMAS

(9) 6 × 7 + 39 =

(10) 18 ÷ 2 - 8 =

(11) 32 ÷ 4 + 17 =

(12) 6 × 8 - 39 =

(13) 45 + 27 ÷ 9 =

(14) 27 + 7 × 5 =

(15) 82 - 7 × 5 =

(16) 51 - 8 ÷ 4 =

138

Date: Time taken: Score:

(1) 979 + 368 =

(2) 936 + 974 =

(3) 825 - 546 =

(4) 953 - 484 =

(5) 9350 × 56

(6) 4816 × 87

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

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

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

(9) 4096 + 8765 ____ + ____ = ____

(10) 9843 - 5048 ____ - ____ = ____

(11) 3460 × 492 ____ × ____ = ____

(12) 3157 ÷ 8 ____ ÷ ____ = ____

139

Date: Time taken: Score:

(1) 695 + 746 =

(2) 892 + 779 =

(3) 763 - 396 =

(4) 910 - 478 =

(5) 5027 × 63

(6) 1639 × 98

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

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

Convert these fractions to decimals.

Example: $^1/_2 = 0.5$

(9) $^1/_2$ =

(10) $^1/_5$ =

(11) $^1/_4$ =

(12) $^1/_3$ =

(13) $^2/_3$ =

(14) $^3/_5$ =

(15) $^7/_{10}$ =

(16) $^3/_4$ =

Answers

0.6 0.25

0.2 0.7

0.75 0.5

0.33· 0.66·

140

Date: Time taken: Score:

(1) 654 + 598 =

(2) 678 + 654 =

(3) 915 - 759 =

(4) 951 - 164 =

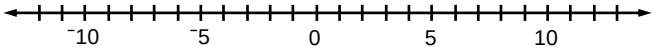
(5) 4827 × 82

(6) 3950 × 64

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

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

Add these positive and negative numbers



(9) 6 + 8 =

(10) $^-13 + 9$ =

(11) 9 + 3 =

(12) $8 + ^-11$ =

(13) $^-10 + 6$ =

(14) 7 + 7 =

(15) $4 + ^-11$ =

(16) $^-8 + ^-3$ =

141

Date: Time taken: Score:

(1) 667 + 868 =

(2) 842 + 998 =

(3) 734 - 497 =

(4) 420 - 137 =

(5) 5027 × 75

(6) 6139 × 93

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

(8) $9\overline{)4185}$

Order of **operations.**

BEDMAS

(9) 9 × 4 + 67 =

(10) 54 ÷ 6 - 8 =

(11) 40 ÷ 5 + 15 =

(12) 7 × 4 - 19 =

(13) 29 + 42 ÷ 6 =

(14) 43 + 8 × 5 =

(15) 92 - 7 × 9 =

(16) 24 - 27 ÷ 3 =

142

Date: Time taken: Score:

(1) 792 + 748 =

(2) 488 + 726 =

(3) 903 - 698 =

(4) 416 - 289 =

(5) 2748 × 29

(6) 5039 × 47

(7) $9\overline{)5364}$

(8) $2\overline{)1740}$

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

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

(9) 7.**6**

(10) 63.9**7**2

(11) **9**.48

(12) **4**09.3

(13) 7.0**5**

(14) 7.5**2**6

(15) 2.**5**4

(16) **6**25.47

143

Date: Time taken: Score:

(1) 783 + 588 =

(2) 578 + 883 =

(3) 540 - 161 =

(4) 836 - 378 =

(5) 8614 × 65

(6) 7025 × 78

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

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

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

(9) $7.3 \times 10^2 =$

(10) $3.9 \times 10^3 =$

(11) $1.8 \div 10^2 =$

(12) $5.4 \div 10^3 =$

(13) $6.2 \times 10^4 =$

(14) $4.7 \times 10^6 =$

(15) $2.6 \div 10^5 =$

144

Date: Time taken: Score:

(1) 978 + 947 =

(2) 794 + 326 =

(3) 918 - 429 =

(4) 623 - 365 =

(5) 9631 × 36

(6) 7428 × 89

(7) $5\overline{)4615}$

(8) $9\overline{)1611}$

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

$75.45
$68.40
$135.15
$95.95
+ $9.85

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

145

Date: Time taken: Score:

(1) 979 + 956 =

(2) 878 + 539 =

(3) 602 - 275 =

(4) 830 - 652 =

(5) 9350 × 28

(6) 4816 × 46

77. $3\overline{)2115}$

(8) $6\overline{)4296}$

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

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

(9) 0.5 =

(10) $0.3\dot{3}$ =

(11) 0.8 =

(12) 0.3 =

(13) 0.25 =

(14) 0.75 =

(15) 0.1 =

(16) $0.6\dot{6}$ =

Answers

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

146

Date: Time taken: Score:

(1) 298 + 954 =

(2) 753 + 967 =

(3) 902 - 739 =

(4) 918 - 429 =

(5) 6931 × 57

(6) 7428 × 39

(7) $4\overline{)2028}$

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

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

Example: 50% = 0.5

(9) $33\frac{1}{3}\%$ =

(10) 25% =

(11) 50% =

(12) 40% =

(13) 10% =

(14) 75% =

(15) 5% =

(16) $66\frac{2}{3}\%$ =

Answers

0.4	$0.33\dot{}$
0.05	0.75
0.25	0.5
$0.66\dot{}$	0.1

147

Date: Time taken: Score:

(1) 637 + 597 =

(2) 487 + 753 =

(3) 941 - 383 =

(4) 774 - 289 =

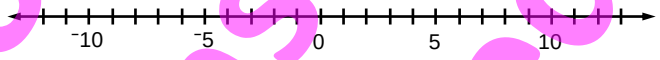
(5) 3590 × 92

(6) 1684 × 74

(7) $2\overline{)1930}$

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

Add these positive and negative numbers



(9) 9 + 6 =

(10) $^{-}10 + 8$ =

(11) 7 + 8 =

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

(13) $^{-}9 + 14$ =

(14) 5 + 9 =

(15) $5 + {}^{-}12$ =

(16) $^{-}6 + {}^{-}7$ =

148

Date: Time taken: Score:

(1) 789 + 494 =

(2) 958 + 275 =

(3) 502 - 354 =

(4) 530 - 264 =

(5) 7025 × 56

(6) 1936 × 87

(7) $8\overline{)6600}$

(8) $6\overline{)5724}$

Order of **operations.**

(9) 6 × 5 + 27 =

(10) 56 ÷ 7 - 6 =

(11) 63 ÷ 7 + 19 =

(12) 7 × 4 - 13 =

(13) 45 + 48 ÷ 8 =

(14) 86 + 9 × 5 =

(15) 88 - 7 × 8 =

(16) 31 - 54 ÷ 9 =

149

Date: Time taken: Score:

(1) 787 + 935 =

(2) 693 + 459 =

(3) 927 - 279 =

(4) 814 - 265 =

5. 4728 × 63

6. 3590 × 98

7. $6\overline{)4950}$

8. $8\overline{)3960}$

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

(9) Abbey scored 75 out of 90 in a test.

(10) It rained 14 days out of 70 days.

(11) It was sunny 1 day last week.

(12) What fraction of your class likes dogs?

150

Date: Time taken: Score:

(1) 598 + 862 =

(2) 989 + 136 =

(3) 931 - 245 =

(4) 927 - 279 =

5. 4816 × 82

6. 5027 × 64

7. $3\overline{)2589}$

8. $7\overline{)4578}$

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

(9) 50% of 86 =

(10) 25% of 48 =

(11) $33\frac{1}{3}\%$ of 39 =

(12) $66\frac{2}{3}\%$ of 60 =

(13) 50% of 450 =

(14) $33\frac{1}{3}\%$ of 360 =

(15) $66\frac{2}{3}\%$ of 360 =

(16) 25% of 440 =

Assessment Section

There are **TWO** parallel **Assessment Sheets**, divided into **FIVE** sections.

Example: A1 = Numeracy facts / Number Knowledge assessment appropriate for each resource.

A2, A3, A4 & A5 cover the Number Strand objectives from the appropriate level.

The **Assessment Sheets** are divided into **FIVE sections** so that the entire assessment does not have to be completed all at the same time.

One Assessment Sheet can be used as a **pre-test** to identify the Numeracy / Number Knowledge skill level your child is already working at and / or the Number Strand knowledge your child has. The remaining Assessment Sheets can be used as a **post-test** to determine the improvement made.

The **'Complete Guide to Daily Number Revision'** is a **skills mastery programme**.

The **degree of accuracy** required may seem high, but if your child knows what standard is expected, they have something to aim for.

The objective is for your child to be able to **recall** the **basic numeracy facts / Number Strand Objectives** with **accuracy** and then later on with **accuracy** and **speed**.

At the bottom of each section (A1 to A5), 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 30 individual questions.

Marking Schedule (Circle **S**, **A** or **D**)
S = Shows strength (30 all correct)
A = Achieved (24 to 29 correct)
D = Developing (less than 24 correct)

The **degree of accuracy** required is shown in the table below.

Descriptors	Degree of Accuracy Achieved	*Example:*
S = Shows Strength	100% accuracy	30 out of 30
A = Achieved	80% - 99% accuracy	24 to 29 out of 30
D = Developing	less than 80% accuracy	less than 24 out of 30

The **descriptors** listed in the box are used to describe the mastery skill level your child is working at.

On these sheets you can either record the actual score or circle one of the descriptor letters **S**, **A** or **D**.

A1

Daily Number Revision Numeracy Skills Assessment

A: Adding 3 digit numbers - no carrying

(1) 357 + 130 = _____
(2) 135 + 621 = _____
(3) 502 + 326 = _____
(4) 202 + 746 = _____
(5) 280 + 216 = _____
(6) 357 + 301 = _____
(7) 120 + 148 = _____
(8) 436 + 403 = _____
(9) 514 + 245 = _____
(10) 130 + 249 = _____

B: Adding 3 digit numbers - carrying

(1) 993 + 947 = _____
(2) 894 + 868 = _____
(3) 728 + 895 = _____
(4) 689 + 628 = _____
(5) 975 + 395 = _____
(6) 876 + 975 = _____
(7) 768 + 873 = _____
(8) 965 + 886 = _____
(9) 497 + 759 = _____
(10) 976 + 654 = _____

C: Subtracting 3 digit numbers - no renaming

(1) 785 - 420 = _____
(2) 569 - 361 = _____
(3) 837 - 310 = _____
(4) 594 - 231 = _____
(5) 715 - 103 = _____
(6) 879 - 640 = _____
(7) 964 - 514 = _____
(8) 938 - 306 = _____
(9) 768 - 448 = _____
(10) 972 - 862 = _____

D: Subtracting 3 digit numbers - renaming

(1) 816 - 449 = _____
(2) 530 - 286 = _____
(3) 652 - 284 = _____
(4) 716 - 487 = _____
(5) 540 - 387 = _____
(6) 624 - 179 = _____
(7) 452 - 279 = _____
(8) 574 - 385 = _____
(9) 931 - 445 = _____
(10) 730 - 163 = _____

E: Multiplying - mixed

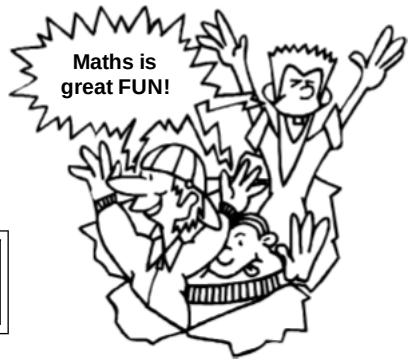
(1) 1 × 6 = _____
(2) 6 × 7 = _____
(3) 8 × 8 = _____
(4) 4 × 9 = _____
(5) 9 × 2 = _____
(6) 2 × 5 = _____
(7) 5 × 3 = _____
(8) 7 × 4 = _____
(9) 10 × 6 = _____
(10) 2 × 7 = _____
(11) 3 × 8 = _____
(12) 7 × 9 = _____
(13) 3 × 2 = _____
(14) 8 × 5 = _____
(15) 9 × 3 = _____
(16) 4 × 4 = _____
(17) 3 × 6 = _____
(18) 10 × 7 = _____
(19) 5 × 8 = _____
(20) 0 × 9 = _____

F: Dividing - mixed

(1) 12 ÷ 2 = _____
(2) 20 ÷ 5 = _____
(3) 18 ÷ 3 = _____
(4) 8 ÷ 4 = _____
(5) 36 ÷ 6 = _____
(6) 7 ÷ 7 = _____
(7) 72 ÷ 8 = _____
(8) 45 ÷ 9 = _____
(9) 2 ÷ 2 = _____
(10) 50 ÷ 5 = _____
(11) 6 ÷ 3 = _____
(12) 24 ÷ 4 = _____
(13) 48 ÷ 6 = _____
(14) 35 ÷ 7 = _____
(15) 56 ÷ 8 = _____
(16) 81 ÷ 9 = _____
(17) 8 ÷ 2 = _____
(18) 30 ÷ 5 = _____
(19) 30 ÷ 3 = _____
(20) 36 ÷ 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

Number Assessment

(1) **Write** these number words as **decimal numbers**.

fifteen point seven six two _____

nine point three eight six _____

(2) **Write** these decimal numbers as **number words**

0.945 _____

82.673 _____

(3) **Write** these decimals in order of **smallest** to **largest**.

1.43, 1.45, 1.48, 1.46, 1.47, 1.49, 1.44, 1.40

_____

(4) Prime numbers, multiples & factors

List the **prime numbers** between **0** and **15**. _____

List the first 5 **multiples** of **8**. _____

List the **factors** of **15**. _____

(5) **Calculate** the **squares** of these numbers.

9^2 _____ 15^2 _____ 8^2 _____

(6) **Calculate** the **square roots** of these numbers.

$\sqrt{49}$ _____ $\sqrt{121}$ _____ $\sqrt{81}$ _____

(7) **Adding** and **subtracting** decimals.

3.89	9.52	68.98	39.87
+ 4.59	- 5.19	+ 49.87	- 14.99
_____	_____	_____	_____

(8) **Multiplying** and **dividing** decimals.

34.16	875.2	$0.6\overline{)31.44}$
× 5.3	× 0. 42	
_____	_____	$0.08\overline{)3.944}$

(9) **Multiplying** and **dividing** by **10**, **100** or **1000**.

7.21 × 100 = _____ 17.4 ÷ 100 = _____

93.6 × 10 = _____ 5.18 ÷ 10 = _____

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

6.2 × 10^2 = _____ 8.9 ÷ 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

Number Assessment

(1) How much would 7 C.D.'s at $14.55 each cost? _____

(2) How much would 3 kilograms of meat at $14.25 per kilogram cost? _____

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

(4) **Add** up Jan's shopping list / work out her change.

$21.95
$19.60
$15.65
$28.60
+ $9.85
_____

If Jan paid for her purchases with five $20.00 notes, how much change would she get back? _____

(5) **Shade** in $^3/_4$ of this group of shapes.

(6) What **fraction** of each group of shapes is shaded? (Simplify your answer)

(7) **Find** each fraction of these whole numbers.

$\frac{1}{2}$ of $49 = _____ $\frac{1}{3}$ of $51 = _____

(8) **Find** each fraction of these decimal numbers.

$\frac{1}{5}$ of $29.50 = _____ $\frac{1}{4}$ of $24.80 = _____

(9) If $36 is shared between four people, how much does each person get? _____

(10) If $63.70 is shared between seven people, how much does each person get? _____

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

Abbey scored 19 out of 25 in a test. _____

It rained 15 days out of 30 days. _____

Marking Schedule (Circle **S**, **A** or **D**)
S = Shows strength (**All** 18 correct)
A = Achieved (14 to 17 correct)
D = Developing (less than 14 correct)

/18

(1) **Round** these numbers to the nearest **10**.

422 _____ 747 _____ 955 _____

(2) **Round** these numbers to the nearest 100.

750 _____ 243 _____ 478 _____

(3) **Round** these numbers to the nearest 1000.

6802 _____ 3150 _____ 8500 _____

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

995 + 218 _____ + _____ = _____

4125 - 589 _____ - _____ = _____

2047 × 21 _____ × _____ = _____

5985 ÷ 6 _____ ÷ _____ = _____

(5) **Order** of **operations**.

9 × 8 + 36 = _____ 65 ÷ 5 – 8 = _____

61 – 7 × 6 = _____ 84 - 72 ÷ 8 = _____

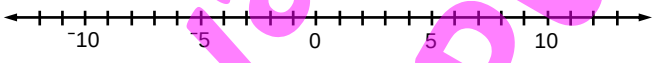
(6) **Calculate** the **new** temperature.

Starting temperature 4°C, **drops** 9°C. _____

Starting temperature $^{-}$5°C, **rises** 7°C. _____

Starting temperature $^{-}$4°C, **drops** 5°C. _____

(7) **Add** these positive and negative numbers



$^{-}$3 + 6 = _____ 5 + $^{-}$5 = _____

4 + $^{-}$10 = _____ $^{-}$8 + $^{-}$3 = _____

(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
69.43			72.91		
74.80			95.54		

Marking Schedule (Circle **S**, **A** or **D**)
S = Shows strength (**All** 32 correct)
A = Achieved (26 to 31 correct)
D = Developing (less than 26 correct)

/32

(1) **Complete** each calculation to create **equivalent fractions**. *Example:* $^{1}/_{2} \times {}^{8}/_{8} = {}^{8}/_{16}$

$^{1}/_{4} \times {}^{7}/_{7} =$ _____ $^{1}/_{3} \times {}^{4}/_{4} =$ _____

$^{2}/_{3} \times {}^{3}/_{3} =$ _____ $^{3}/_{4} \times {}^{6}/_{6} =$ _____

$^{3}/_{5} \times {}^{9}/_{9} =$ _____ $^{7}/_{10} \times {}^{10}/_{10} =$ _____

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

$^{1}/_{4} =$ _____ $^{1}/_{2} =$ _____

$^{1}/_{3} =$ _____ $^{7}/_{10} =$ _____

$^{3}/_{4} =$ _____ $^{3}/_{5} =$ _____

(4) **Convert** these **decimals** to **fractions**.

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

0.1 = _____ 0.5 = _____

0.66$\dot{6}$ = _____ 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

Notes:

B1

Daily Number Revision Numeracy Skills Assessment

A: Adding 3 digit numbers - no carrying

(1) 260 + 523 = _____
(2) 462 + 401 = _____
(3) 623 + 125 = _____
(4) 140 + 137 = _____
(5) 219 + 370 = _____
(6) 411 + 185 = _____
(7) 185 + 303 = _____
(8) 362 + 320 = _____
(9) 704 + 252 = _____
(10) 134 + 760 = _____

B: Adding 3 digit numbers - carrying

(1) 865 + 769 = _____
(2) 259 + 888 = _____
(3) 685 + 966 = _____
(4) 949 + 764 = _____
(5) 879 + 971 = _____
(6) 587 + 974 = _____
(7) 358 + 956 = _____
(8) 378 + 868 = _____
(9) 579 + 739 = _____
(10) 869 + 492 = _____

C: Subtracting 3 digit numbers - no renaming

(1) 596 - 120 = _____
(2) 938 - 630 = _____
(3) 974 - 230 = _____
(4) 748 - 331 = _____
(5) 619 - 217 = _____
(6) 745 - 521 = _____
(7) 826 - 403 = _____
(8) 529 - 419 = _____
(9) 367 - 257 = _____
(10) 785 - 275 = _____

D: Subtracting 3 digit numbers - renaming

(1) 720 - 452 = _____
(2) 641 - 473 = _____
(3) 962 - 386 = _____
(4) 837 - 658 = _____
(5) 913 - 667 = _____
(6) 725 - 489 = _____
(7) 931 - 797 = _____
(8) 540 - 265 = _____
(9) 812 - 593 = _____
(10) 481 - 192 = _____

E: Multiplying - mixed

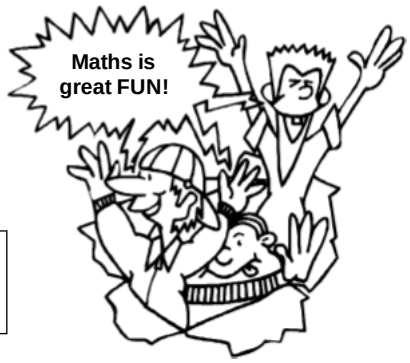
(1) 4 × 6 = _____
(2) 8 × 7 = _____
(3) 10 × 8 = _____
(4) 8 × 9 = _____
(5) 2 × 2 = _____
(6) 5 × 5 = _____
(7) 8 × 3 = _____
(8) 3 × 4 = _____
(9) 7 × 6 = _____
(10) 9 × 7 = _____
(11) 0 × 8 = _____
(12) 10 × 9 = _____
(13) 8 × 2 = _____
(14) 3 × 5 = _____
(15) 7 × 3 = _____
(16) 1 × 4 = _____
(17) 5 × 6 = _____
(18) 3 × 7 = _____
(19) 4 × 8 = _____
(20) 2 × 9 = _____

F: Dividing - mixed

(1) 10 ÷ 2 = _____
(2) 5 ÷ 5 = _____
(3) 9 ÷ 3 = _____
(4) 40 ÷ 4 = _____
(5) 12 ÷ 6 = _____
(6) 49 ÷ 7 = _____
(7) 16 ÷ 8 = _____
(8) 54 ÷ 9 = _____
(9) 14 ÷ 2 = _____
(10) 45 ÷ 5 = _____
(11) 3 ÷ 3 = _____
(12) 32 ÷ 4 = _____
(13) 54 ÷ 6 = _____
(14) 28 ÷ 7 = _____
(15) 48 ÷ 8 = _____
(16) 27 ÷ 9 = _____
(17) 20 ÷ 2 = _____
(18) 35 ÷ 5 = _____
(19) 12 ÷ 3 = _____
(20) 20 ÷ 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



B2

Number Assessment

(1) **Write** these number words as **decimal numbers**.

zero point five nine eight _____

seventy-two point four two one _____

(2) **Write** these decimal numbers as **number words**

34.675 _____

5.039 _____

(3) **Write** these decimals in order of **smallest** to **largest**.

4.30, 4.33, 4.35, 4.37, 4.39, 4.34, 4.38, 4.36

_____

(4) Prime numbers, multiples & factors

List the **prime numbers** between **10** and **25**. _____

List the first 5 **multiples** of **6**. _____

List the **factors** of **28**. _____

(5) **Calculate** the **squares** of these numbers.

9^2 _____ 11^2 _____ 7^2 _____

(6) **Calculate** the **square roots** of these numbers.

$\sqrt{100}$ _____ $\sqrt{36}$ _____ $\sqrt{144}$ _____

(7) **Adding** and **subtracting** decimals.

2.69	9.35	95.97	59.16
+ 8.87	- 7.53	+ 49.38	- 34.58
_____	_____	_____	_____

(8) **Multiplying** and **dividing** decimals.

49.35	120.8	$0.7\overline{)38.36}$	
× 4.5	× 0. 23		
_____	_____		
_____	_____	$0.09\overline{)5.643}$	
_____	_____		

(9) **Multiplying** and **dividing** by **10**, **100** or **1000**.

8.27 × 100 = _____ 56.1 ÷ 100 = _____

34.1 × 10 = _____ 2.09 ÷ 10 = _____

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

7.8 × 10^2 = _____ 6.5 ÷ 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

B3

Number Assessment

(1) How much would 7 C.D.'s at $19.45 each cost? _____

(2) How much would 3 kilograms of meat at $15.25 per kilogram cost? _____

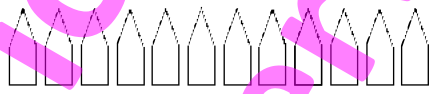
(3) If 8 exercise books cost $8.40, what is the cost of one exercise book? _____

(4) **Add** up Jan's shopping list / work out her change.

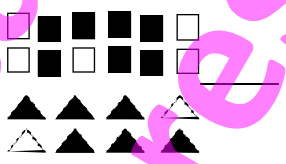
$24.70
$31.65
$7.85
$22.55
+ $7.80
_____

If Jan paid for her purchases with five $20.00 notes, how much change would she get back? _____

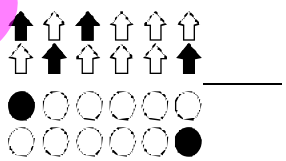
(5) **Shade** in $^2/_3$ of this group of shapes.



(6) What **fraction** of each group of shapes is shaded? (Simplify your answer)



_____



_____

(7) **Find** each fraction of these whole numbers.

$\frac{1}{4}$ of $72 = _____ $\frac{1}{2}$ of $47 = _____

(8) **Find** each fraction of these decimal numbers.

$\frac{1}{3}$ of $24.96 = _____ $\frac{1}{5}$ of $39.50 = _____

(9) If $64 is shared between eight people, how much does each person get? _____

(10) If $83.50 is shared between five people, how much does each person get? _____

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

Abbey scored 18 out of 25 in a test. _____

It rained 12 days out of 30 days. _____

Marking Schedule (Circle **S**, **A** or **D**)
S = Shows strength (**All** 18 correct)
A = Achieved (14 to 17 correct)
D = Developing (less than 14 correct)

/18

B4

Number Assessment

(1) **Round** these numbers to the nearest **10**.

863 _____ 275 _____ 491 _____

(2) **Round** these numbers to the nearest 100.

639 _____ 787 _____ 450 _____

(3) **Round** these numbers to the nearest 1000.

1952 _____ 3500 _____ 8369 _____

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

395 + 743 _____ + _____ = _____

9134 - 879 _____ - _____ = _____

8014 × 18 _____ × _____ = _____

7053 ÷ 7 _____ ÷ _____ = _____

(5) **Order** of **operations**.

BEDMAS

9 × 7 + 52 = _____ 75 ÷ 5 - 11 = _____

83 - 8 × 8 = _____ 64 - 49 ÷ 7 = _____

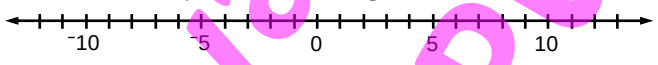
(6) **Calculate** the **new** temperature.

Starting temperature 5°C, **drops** 8°C. _____

Starting temperature $^{-}$4°C, **rises** 9°C. _____

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

(7) **Add** these positive and negative numbers



$^{-}$2 + 11 = _____ 3 + $^{-}$9 = _____

6 + $^{-}$8 = _____ $^{-}$6 + $^{-}$5 = _____

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

Example: place value = $^{1}/_{10}$'s, $^{1}/_{100}$'s, 1's, 10's or 100's

	Place value	Number		Place value	Number
59.74			46.75		
83.60			37.09		

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

Number Assessment

(1) **Complete** each calculation to create **equivalent fractions**. *Example:* $^{1}/_{2} \times {}^{8}/_{8} = {}^{8}/_{16}$

$^{1}/_{6} \times {}^{4}/_{4} =$ _____ $^{1}/_{4} \times {}^{5}/_{5} =$ _____

$^{3}/_{4} \times {}^{9}/_{9} =$ _____ $^{9}/_{10} \times {}^{8}/_{8} =$ _____

$^{4}/_{5} \times {}^{7}/_{7} =$ _____ $^{1}/_{3} \times {}^{10}/_{10} =$ _____

(2) **Match** these **equivalent fractions**.

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

$^{1}/_{3} =$ _____ $^{12}/_{20} =$ _____

$^{2}/_{12} =$ _____ $^{3}/_{4} =$ _____

$^{4}/_{5} =$ _____ $^{8}/_{12} =$ _____

Answers:
$^{4}/_{12}$ $^{2}/_{3}$ $^{8}/_{10}$ $^{3}/_{5}$ $^{9}/_{12}$ $^{1}/_{6}$

(3) **Convert** these **fractions** to **decimals**.

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

$^{1}/_{2} =$ _____ $^{4}/_{5} =$ _____

$^{3}/_{10} =$ _____ $^{1}/_{4} =$ _____

$^{3}/_{4} =$ _____ $^{2}/_{3} =$ _____

(4) **Convert** these **decimals** to **fractions**.

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

0.25 = _____ 0.8 = _____

0.3 = _____ 0.75 = _____

0.66· = _____ 0.5 = _____

(5) **Convert** these **percentages** to **decimals**.

Example: 50% = 0.5

5% = _____ 30% = _____

50% = _____ 80% = _____

75% = _____ $66\frac{2}{3}$% = _____

(6) **Convert** these **decimals** to **percentages**.

Example: 0.5 = 50%

0.8 = _____ 0.75 = _____

0.66· = _____ 0.05 = _____

0.5 = _____ 0.3 = _____

Marking Schedule (Circle **S**, **A** or **D**)
S = Shows strength (**All** 36 correct)
A = Achieved (29 to 35 correct)
D = Developing (less than 29 correct)

36