AUSTRALIAN SOCIODOSCIONALIAN SOCIODOSCIONALIAN MATHS

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What is Australian Signpost Maths?

Australian Signpost Maths is a mathematics program providing direction and support for teaching and learning. The series covers the content and skills presented in the Australian Curriculum (v9) Mathematics F–6.

A Student Book and an online Teacher Resource are provided for Foundation.

For Years 1 to 6, a Student Book, an online Teacher Resource and a Mentals Book are provided for each year level. The online Teacher Resources provide a wealth of support for teachers.

The content has been carefully sequenced within each year level and across the F–6 series to take into account students' expected mathematical development. However, from the rich and varied material provided, teachers can develop individual learning programs to meet the needs of each student.

The Student Books are designed to support explicit teaching methods. Many group activities are provided in Activity, Investigation and Fun spots within the Student Books and the online Teacher Resource.

To maximise the benefits of the program, the Student Book, the online Teacher Resource and the Mentals Book should be used together.



Student Books



Structure of Australian Signpost Maths

In the Year 3 to 6 books, the worksheet pages cover all three elements: Number sense and algebra, Measurement and geometry, and Statistics and probability. These are presented in five chapters:

- Number and algebra Operations and algebra
- Measurement
 Space
- Statistics and probability.

This gives teachers flexibility in programming.

The contents cross-reference allows teachers to quickly find the pages where each concept has been covered.

Within the program, explicit teaching, critical and creative thinking, language development and identification and treatment of weaknesses are given high priority.

Identifying and addressing areas of need

Five progress tests are designed to identify each student's areas of need, and the follow-up program after each of the tests is designed to address these needs. A reference

to the relevant worksheet page is given for each test question. A remediation record page is used to track the student's progress.

These testing resources can be found in the online Teacher Resource.

Parallel progress retests are provided for further testing after remediation has taken place.





Special features of Australian Signpost Maths

The traffic light icons

These are found on the top right of each worksheet page in the Student Books. They allow students to assess their own progress and give feedback to the teacher.

- - **Green:** I found this work easy.
 - **Orange:** I found some work on the page difficult.

Red: I don't understand the work on this page.

Dictionary

Terms used in the Student Book and terms that should be understood at this level are recorded here to provide a reference for students and teachers. This is found on pages xiv–xxv of this book.

ID cards (Years 1 to 6)

These cards review the language of Mathematics by asking students to identify common terms, shapes and symbols. They are designed to be reused and are found in the online Teacher Resource and in the front of the Mentals Books.

Progress tests

These allow the teacher to identify each student's strengths and needs. Crossreferences for each question direct teachers and students to the pages where that work is introduced. Tables are provided to record the follow-up that takes place and parallel tests are provided for retesting. These tests can be found in the online Teacher Resource.

Year 6 Consolidation booklet

This 32 page booklet is found in the online Teacher Resource. It is designed to reinforce work completed in class and provides practice of important skills and addition and subtraction facts. The booklet can be used when there is limited supervision or when a student finishes classwork early.

Answers

These are supplied in the Student Book and the online Teacher Resource.

• Blackline masters (BLM)

References are made to the blackline masters in the Teacher Resource suggestions provided for each student worksheet page.

Differentiation

Each student worksheet page has a Teacher Resource page to support it. Crossreferences direct the teacher to pages where the concept is introduced and developed. These references may be from the Student Book for the previous year, the current year or the next year.

The Teacher Resource support pages provide additional learning activities for students who need remediation or extension activities. The blackline masters provide activities to support students of various learning abilities.

Cartoons

Cartoons are used to motivate and instruct.

Extra support pages

Decimals, percentages, algorithms, space, compass directions, coordinates, probability, timetables and volume are supported.







Australian Signpost Maths icons

Signpost icons are used throughout the book as cues to the essential nature of exercises and activities, and as a guide to ways of engaging with them. These icons often indicate alternative or more concrete approaches to dealing with concepts.



This icon highlights **important rules and concepts** occurring throughout the book. It often appears with worked examples.



Activities provide **applications and enrichment**. These activities usually involve the use of concrete materials and partner or group work.



These enjoyable activities are used to **motivate and involve** students in mathematical pursuits. They usually involve games and puzzles.



Investigations allow students to **explore** and **discover** maths concepts.



Structure of the Australian Curriculum, F-6 (v9)



The Curriculum strives to develop in students proficiency in Mathematics, highlighting Understanding, Fluency, Reasoning and Problem solving.

Mathematics content of the Australian Curriculum

- It is important that you download the **GENERAL CAPABILITIES** document from 'Downloads' in the top navigation bar of the website homepage. It contains the tables that list the progression level expectations for each year, F to 10. It also provides the content of all progression levels.
- The LEARNING AREAS download gives a summary of Content descriptions and Elaborations. CROSS-CURRICULUM PRIORITIES can also be found there.

Contents cross-reference

Number and algebra

1	Whole and rational numbers	Pages
	Counting, ordering whole numbers	1, 9, 33, 153, 155
	Place value	1, 2, 153, 154, 155
	Fractions	3, 4, 5, 12, 17, 18, 19, 151, 156
	Operations with fractions (+, -)	13, 14, 15, 16, 20, 21, 22, 25, 26
	Decimals	3, 4, 50, 53, 65, 137, 138, 154, 155, 156, 162, 163
	Operations with decimals (+, -, x, \div)	48, 49, 50, 51, 52, 53, 54, 55, 56, 61 62, 63, 74, 162
	Percentages	3, 4, 23, 24, 137, 138, 149, 151, 156
	Negative numbers	7, 8, 9, 10, 11
	Rounding numbers, estimates	1, 64, 65, 70
	Problem solving	6, 13, 14, 16, 22, 43, 47, 49, 50, 51, 52, 54, 55, 74, 133
2	Addition and subtraction	Pages
	Addition	29, 43, 44, 47, 48
	Subtraction / difference	30, 31, 45, 46, 48
	Problem solving (+ and –)	29, 30, 31, 39, 45, 46, 47, 81, 82
3	Multiplication and division	Pages
	Multiplication	27, 34, 35, 36, 37, 38, 60, 67, 68, 69, 70, 71, 159, 160, 161
	Division	28, 40, 41, 42, 43, 58, 59, 60, 63, 77, 163
	Multiplication and division facts	27, 28,159
	Multiples, factors, divisibility, prime, composite	27, 35, 75, 76, 77
	Problem solving (× and ÷)	10, 38, 39, 40, 41, 42, 43, 47, 58, 59, 67, 68, 69, 70, 71, 81, 161, 162
4	Algebra	Pages
	Order of operations	32, 33, 66
	Finding unknown values in numerical equations	28, 72, 73, 78, 79, 80
	Algebraic thinking / problem solving / patterns	1, 6, 8, 9, 37, 72, 73, 78, 79, 80, 81, 82
	Calculators	6, 17, 23, 24, 53, 54, 61, 62, 65, 81, 159

Xİİ

	Measurement and space	
1	Measurement	Pages
	Length	83, 84, 85, 86, 87, 88, 90, 93, 94, 95, 118, 119, 169, 170
	Area and perimeter	89, 90, 93, 94, 95, 96, 105, 106
	Capacity and volume	97, 98, 175, 176, 177, 178
	Mass (weight)	100, 101, 102, 103, 104
	Time (duration), 24-hour time	91, 92, 107, 108, 109, 174
	Timetables, time lines	91, 92, 108, 109, 174
	Problem solving with measurement	83, 85, 86, 87, 90, 93, 94, 95, 98, 99, 100, 102, 104, 107, 117
2	Space	Pages
	2D shapes	110, 125, 165, 166, 171
	Angles, parallel and perpendicular lines	113, 114, 120, 121, 122, 123, 131, 162, 165, 171
	Symmetry, flip, slide, turn, tessellations	111, 130, 131, 132, 166, 171
	3D objects	110, 111, 112, 127, 128, 129, 167
	Position, coordinates, maps	47, 115, 116, 117, 118, 119, 124, 125, 126, 168, 169, 170

Statistics and probability

1	Data	Pages
	Collecting data and recording data	134, 144, 145, 146, 148, 149, 150, 151
	Analysing data displays	44, 84, 133, 134, 135, 139, 140, 141, 142, 143, 144, 150, 152
	Mode, median, range	139, 140, 141
	Chance and the language of chance	136, 137, 138, 145, 146, 147, 172, 173
	Chance experiments	145, 146, 147, 151

See Extra Support 1 (Powers of ten).

Learn more at pearson.com.au/asm

Place value using powers of 10

6 ten thousands 4 thousands 7 hundreds 3 tens 8 ones

64738

CONCEPT

Ten thousands	Thousands	Hundreds	Tens	Ones
10 000	1000	100	10	1
10 × 10 × 10 × 10	10 × 10 × 10	10 × 10	10	1
10 ⁴	10³	10²	10¹	1
6	4	7	3	8
	$(0.0) \times (1.000)$. (7 . 100)	. / 2	10) . (

 $64 738 = (6 \times 10000) + (4 \times 1000) + (7 \times 100) + (3 \times 10) + 8$ $= (6 \times 10^{4}) + (4 \times 10^{3}) + (7 \times 10^{2}) + (3 \times 10^{1}) + 8$

Number

1:02

- **b** $(9 \times 10^4) + (6 \times 10^3) + (8 \times 10^2) + (3 \times 10^1) + 1$
- **c** $(6 \times 10^4) + (2 \times 10^3) + (4 \times 10^2) + (7 \times 10^1) + 5$
- **d** $(8 \times 10^4) + (9 \times 10^3) + (3 \times 10^2) + (5 \times 10^1) + 4$

2 Write the following in expanded notation using powers of ten.

Write each number on the place-value chart.
 a (7 × 10⁴) + (9 × 10³) + (2 × 10²) + (3 × 10¹) + 4

- **b** $(4 \times 10^4) + (6 \times 10^3) + (7 \times 10^2) + (9 \times 10^1) + 3$
- **c** $(3 \times 10^4) + (5 \times 10^3) + (6 \times 10^2) + (8 \times 10^1) + 6$
- **d** $(8 \times 10^4) + (3 \times 10^3) + (5 \times 10^2) + (6 \times 10^1) + 2$

ien thousands	Thousands	Hundreds	Tens	Ones

4 Write the numeral for:

- a 60000 + 4000 + 900 + 50 + 8
- **b** 90000 + 6000 + 700 + 40 + 3
- **c** 300000 + 70000 + 2000 + 500 + 90 + 8
- **d** 700000 + 80000 + 5000 + 400 + 60 + 1
- **e** 100000 + 50000 + 9000 + 300 + 50 + 6

See Extra Support 1 (Powers of ten).

See Extra Support 2 (Place value and decimals), Extra Support 3 (Using decimals) and Extra Support 4 (Percentages).

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Number

2:01

Complete these webs as quickly as you can. Learn any tables you get wrong.

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6 a Of teenage drivers in our study, 1573 were female and 2679 were male. How many teenagers were there altogether?

b In the 80+ category, there were 2534 female drivers and 4683 male drivers. How many drivers were 80 or older?

Subtraction review

Number

2:04

Estimate: 7000 – 400 = 6600

Strategies for subtraction

Number

a 39 – 35

2:05

1 + 1 + 51 Use counting on to answer these. **Counting on** We could say **b** 40 – 38 68 + = 75. 75 - 68 =

75 – 68

5 a There were 368 people in the hall. 98 were dancing. How many were not dancing?

- b We had 352 fireworks. We used 246. How many were not used?
- c Heather has 170 birds. How many finches has she if 134 birds are not finches?

Tables and graphs

Statistics

What does the % of total column refer to?

rating% Men% Women% of Total% Men% Women% TotalVery good22202181210Good463440223026Unsure183627201015Poor12910.5403638Very poor211.5101211	Politician's		I. Speakalot			U. Cantrustme	
Very good 22 20 21 8 12 10 Good 46 34 40 22 30 26 Unsure 18 36 27 20 10 15 Poor 12 9 10·5 40 36 38 Very poor 2 1 1·5 10 12 11	rating	% Men	% Women	% of Total	% Men	% Women	% Total
Good463440223026Unsure183627201015Poor12910.5403638Very poor211.5101211	Very good	22	20	21	8	12	10
Unsure 18 36 27 20 10 15 Poor 12 9 10.5 40 36 38 Very poor 2 1 1.5 10 12 11	Good	46	34	40	22	30	26
Poor 12 9 10.5 40 36 38 Very poor 2 1 1.5 10 12 11	Unsure	18	36	27	20	10	15
Very poor 2 1 1.5 10 12 11	Poor	12	9	10.5	40	36	38
	Very poor	2	1	1.5	10	12	11

What percentage of men rated
 I. Speakalot as very good?

What fraction is this?

Opinion polls are often reported in newspapers. The data collected is categorical data.

- 2 What percentage of women rated
 - U. Cantrustme as good? What fraction is this?

b poor or very poor?

- 3 What percentage of people rated I. Speakalot as poor?
- What percentage of people rated U. Cantrustme as:
 - a very good or good?
- 5 Which politician was the more popular?
- 6 Was I. Speakalot more popular with men or women?
- 7 If these figures came from asking 1000 people their opinions about each politician, how many people said that U. Cantrustme was very good?
- 8 a Which part of the table above has been used to draw the I. Speakalot graph?
 - **b** Complete the second graph using the table.
 - c Which was the most common response for I. Speakalot?
 - d Which was the least common response for U. Cantrustme?
 - 9 Pierre, Rachel and Kelly play a new version of handball. For a court they need two joined shapes from the space shown.
 - a How many different courts could they choose?
 - **b** How many courts can be used at the same time?
 - c If **three** joined shapes were needed for a court, how many different courts could they choose?

FUN SPOT

TV programs chosen by 1M and 6S students (20 from each class)

Side-by-side column graphs

Statistics

TV show chosen	1M	6S
Greeny		
Cook Now		
My World		
Craft Time	0	

- a Use the graph to complete the table above.
 - **b** Which TV programs were more popular with 1M students?
 - c Which TV programs were more popular with 6S students?
 - d Which TV program was most popular overall?
 - e Which TV program was most popular with 1M students?
 - f Why were the results of the classes so different?

2 Complete this two-way table by asking 10 boys and 10 girls which drink they like most out of milk, water and juice. Then use these results to complete the side-by-side column graph.

Give a report of your survey.

How are the table and graph alike?

Is this an effective way to graph the data in the table? Why or why not?

Line graphs

Statistics

These line graphs show trends, but the horizontal axis still shows categories.

> 240 220 200

180 160

Μ

A M J Month

160 140 140

- The results of our weekly dictation test are graphed here.
 We were given the same test 8 weeks in a row.
 - a The vertical axis does not start at zero. What is the least number of errors that can be shown on this graph?
 - **b** How many errors were made in Week 4?
 - c How many errors were there altogether?
 - d When was the greatest number of errors made?
 - e How many more errors were there in Week 1 than in Week 8?
 - f On which week was the greatest improvement shown?
 - g Why do you think the results improved so much over time?
- **2** This graph shows the monthly sales of copiers.
 - a In which month were 152 copiers sold?
 - b How many sales were made in the last three months altogether?
 - c How many more copiers were sold in May than in July?

d How many more sales were made in the eighth month than in the first month?

- e Which three-month period had the most sales?
- f How many sales would you predict for November?
- 3 Some of Tim's bank balances for last year were:

April	\$100	May	\$200
June	\$200	July	\$300
August	\$350	September	\$375
October	\$325	November	\$250

a Complete the labels and draw a line graph to show this information.

Garry's bank balances for the same period were:

April	\$300	May	\$300
June	\$250	July	\$400
August	\$400	September	\$400
October	\$350	November	\$350

b On the same axes, draw a line graph to show Garry's balances for the same period.

When we use the same axes to draw two or more line graphs, we call them stacked line graphs.

Learn more at pearson.com.au/asm

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Introduction

Using the Mentals Books

This book reviews content from the Signpost Student Book. It is used most effectively when it aligns with the suggested program in the Student Book contents.

Each unit of the Mentals Book is programmed to review Student Book content for the previous two weeks. (The Suggested Program overview can be found in the Teacher Resource.) For example, Unit 15 of the Mentals Book can be set as homework to review weeks 13 and 14 of the Student Book while week 15 is being taught. Units 1 and 2 review work taught in the previous year.

Mixed-topic questions

The units present questions in a mixed-topic format to encourage thorough understanding and continuous review.

Graded questions

- Column 1: easier
- Columns 2 and 3: harder
- Column 4: Extension and Challenge

Presentation

- Number facts are reinforced to encourage instant recall.
- Essential skills are explained.
- The Arithmetic card (page 5) is a useful teaching tool for practising basic number skills.
- ID cards (pages 6 to 9) review the mathematical terms students need to learn.
- Measurement benchmarks and Tables of number and measurement (pages 84 and 85) are provided so that students can learn important facts and estimate measurements effectively.

Motivation

- There are two lizards hidden on each page for students to find.
- The header allows students to record their score.

• It is important for students to learn addition and multiplication tables by heart.

6

Arithmetic card	5
ID cards	6–9
• • • •	40.00
Units	10-83
Examples of measurements	84

Tables of number and measurement

85

Answers

A1–A16 (middle pages)

Teaching ideas using headers

Unit	Content	Extra Activity	Unit	Content	Extra Activity
1:1/2	+ 3, + 5	+ tables	20:1/2	- 9, - 5	– tables
1:3/4	Personal measurements	Measure	20:3/4	+ 7, + 9	+ tables
2:1/2	- 2, - 4	— tables	21:1/2	Language	ID card C
2:3/4	Language	ID card D	21:3/4	Crossnumber puzzle	Concept
3:1/2	\times 8, \times 5	× tables	22:1/2	Magic squares	Concept
3:3/4	Rounding money	Concept	22:3/4	Crossnumber puzzle	Concept
4:1/2	× 2, × 4	× tables	23:1/2	– 3, – 5 – 9	– tables
4:3/4	+ 4, + 6	+ tables	23:3/4	Converting distances	Measure
5:1/2	Percentages	Concept	24:1/2	Problem solving	Strategy time
5:3/4	Equivalent fractions	Concept	24:3/4	Problem solving	Strategy time
6:1/2	Order of operations	Concept	25:1/2	Estimating measurements	Measure
6:3/4	Square numbers / Multiples	Concept	25:3/4	Factors	Concept
7:1/2	Problem solving	Strategy time	26:1/2	Fractions (subtraction)	Concept
7:3/4	Reflections	Concept	26:3/4	Fractions (subtraction)	Concept
8:1/2 8:3/4	Square numbers Order of operations	Concept Concept	27:1/2 27:3/4	Fractions to decimals \times 8, \times 6	Concept \times tables
9:1/2	Language	ID card B	28:1/2	Language	ID card A
9:3/4	÷ 2, ÷ 4	+ tables	28:3/4	Problem solving	Strategy time
10:1/2	Language	ID card B	29:1/2	Average speed	Measure
10:3/4	-13, -17	tables	29:3/4	Problem solving	Strategy time
11:1/2	\times 3 \times 6	× tables	30:1/2	Problem solving	Strategy time
11:3/4	Multiplication	× tables	30:3/4	Codes	Concept
12:1/2	÷ 5, ÷ 10	÷ tables	31:1/2	Order of operations	Concept
12:3/4	Scale drawing	Concept	31:3/4	Scale drawing	Concept
13:1/2	÷ 3, ÷ 6	\div tables	32:1/2	$\begin{array}{c} \times \ 6, \times \ 7, \times \ 8 \\ \div \ 4 \end{array}$	× tables
13:3/4	× 6 × 9	\times tables	32:3/4		÷ tables
14:1/2	Language	ID card C	33:1/2	— 6, — 8	– tables
14:3/4	Language	ID card C	33:3/4	Roman numerals	Concept
15:1/2	Averages	Concept \times tables	34:1/2	Scale drawing	Concept
15:3/4	× 7, × 8		34:3/4	Coordinates	Concept
16:1/2	÷ 9	÷ tables	35:1/2	Codes	Concept
16:3/4	Profit and loss	Concept	35:3/4	Factors	Concept
17:1/2	Money	Strategy time	36:1/2	Tally	Chance
17:3/4	Chance	Chance	36:3/4	Divisibility	Concept
18:1/2	÷ 7, ÷ 8	÷ tables	37:1/2	Coordinates with 4 quadrants	Concept
18:3/4	Money	Strategy time	37:3/4	Personal measurements	Measure
19:1/2 19:3/4	Problem solving Problem solving	Strategy time Strategy time	Answers	These can be found in the middle this book on pages A1 to A16.	e of

ໄຊ	8	out of 18	1:4	out of 8
			January 1st is the	1st day of the year.
8	864 2 6 762	3 5 835	What day is May 1	5th, 2023?
70	00000 + 45000 + 300 + 21 =	=	2 Fill in the boxes.	1 2 9
Lis	st the first 6 multiples of 7.		a	b 3)
	//////		\times 3	THE ACE
5 м	ake the largest possible 8-digit	number using		Contractor
4,	2, 7, 4, 7, 9, 1 and 7.		$3 \times 3 \times 90$	52
ln of	every space made by a row		b 108 more than	352
Hc	ow many flowers did we plant?)	c 108 more than	35 352.
ВНо	ow many groups of 8 apples in	48?	5 I must choo <u>se an</u> i	tem from each square.
9 Fir	nd the area of a rectangle		How many groups	are possible?
wi	th 4 m and 9 m sides.	_		
U 67	7 – 45 = 62 –			
) 50	00 ha = square kilom	netres	6 What fraction of t	his
2) W	hat are the factors of 12?			
			a regular benta	r symmetry has.
9 CC 3 t	tenths blue. What fraction		b a regular nonag	on? (9 sides)
ha	ave you coloured?		8 How many diagon	als has a:
ha	255 more than 121		a pentagon?	b hexagon?
р ч h	243 more than 456		• •• • • • • • • • • • • • • • • • • •	Challe
c	372 more than 627.	· ·	Write facts you know	w about the number 43.828
3 W	hich of 9, 21, 32 and 36 is bot	h	0 0 0 0	
'ev	ven' and 'a multiple of 3'?	·	0 0 0 0	
6 a	185, 175, 165 ,,		0 0 0	
b	16, 24, 32,,,,	//	0 0 0	
7 17	7 + 4 + 8 + 13 + 9 + 6 + 20		0 0 0 0	
R 81	pens shared equally by 9.		° • • • • • • • • • • • • • • • • • • •	

2:3 out of 12	2:4 out of 6
	How many axes of symmetry has:
8 872 2 $4 812$ 3 $10 960$	a a regular decagon?
How many hundreds can be	b a regular dodecagon? (12 sides)
taken from 2 456 064?	2 This figure has hexagons
Which is larger:	of different size and shape.
a 6.09 or 4.87?	there altogether?
b 17·25 or 19·3?	3 In how many different ways can you make 45
Our cricket team needed	cents using only 5c, 10c and 20c coins?
260 runs to win the match.	4 A plane ticket to Armidale
short were we?	costs \$1/4. vvnat is the cost of:
9 o'clock, quarter past 12, half past 9, 3 o'clock.	h 6 tickets?
At which of the above times are the hour and	
minute hands at right angles?	a 435 + 297 = + 300 =
	b 824 - 392 = 390 =
that has an area of 16 cm ² ?	c 725 - 409 = 410 =
What is the digital time	6 If the length, breadth and height
36 minutes after 15:27?	by 3, how many cubes will be
a What is the total	in the new model's:
containers?	a top view?
	b total volume?
b How many mL more would be needed to	Challe
reach 2L?	Write number sentences that are equal to 36.
201.79 = hundreds, tens,	0 0 0
ones, tenths, hundredths	
What fraction is.	• •
	• • • • • • • • • • • • • • • • • • •
a shaded? b not shaded? —	
	• ••••••
Turn to ID card D on page 9.	A corner is
Give the answers for these numbers.	also called a vertex.
D (1) (2)	
(3) (12)	
(13) (14)	
(15) net of a (16) n	et of a Result of a
(17) net of a (18) n	et of a

3:3		out of 13	3:4		out of 7
1 5)830 2 4 28 pants, 30 pair	7) 825	9)846	1 The average the average Use these f elephants a	e male elephan e female elepha acts to find the nd 7 female ele	t weighs 5465 kg ar nt weighs 3221 kg. mass of 4 male ephants.
How many more	shoes than pants	s?	2 What is:		
5 Vehicles p	assing home		a one third	l of half an hou	r?
Buses			b two third		
Cars					
Trucks 2 2 How many vehicl	4 6 8	10	The numbe	d, calculate r of corners plu r of faces minus	
my home altoget	her?		the numbe	r of edges.	
6 Rachel is 43 whe Rachel be when I	n Lachlan is 5. Ho Lachlan is 37?	ow old will	4 I have 8 bo There were How many	xes. Each box h 35 books altog boxes had 4 bo	as 4 or 5 books in it gether. poks?
What is the avera 23?	age of 14, 12, 16	and	5 I bought at of each of	least one hese items.	
8 Write in order fro 0.67 1.2 0.	om largest to sma 8 0·99	illest:	The cost wa How many did I buy?	as \$3.85. apples	45c \$0.80
9 True or false? 700 - 428 = 69	9 + 1 - 428		6 Use the jun	np strategy to f	ind 856 + 425.
0 8 + 8 + 8 + 8 +	- 8 + 8 + 8		7 567 + 286	- 186 + 297	
Label each angle	with obtuse, acu	ite or reflex.	•		
			Write question	s that are equal	to:
		(L	a 748 + 268	b 274 + 377	c 2978 + 5382
			• • •	=	=
Write the numer:	al four thous and	and two point			
two one.			0		
13 Make the smalles	st possible 7-diait	: whole	• — — — — — — — — — — — — — — — — — — —		
number using the	e digits		· · · · · · · · · · · · · · · · · · ·	=	=
3, 6, 0, 4, 3, 2 ar	nd 9			=	=
M		()			
To round o the closes	off to the nearest 5 answer that end	cents, give			They round off to the nearest
a Is \$37.47	closer to \$37.45	or \$37.50?		L	
Round each	of these to the	nearest 5 cents.			
	С	\$29.99	d \$84.63		Line Ha
b \$43.88 _					
b \$43.88 e \$117.12	f	\$265.14	g \$630.97		

4:1	out of 22	4:2	out of 20	
D 8 × 2	6 Take 4 from 800	1 5 squared	_ 6 Years in 4 decades	
2 8 × 4	7 Multiply 5 by 6	2 6 × 8 − 46	_ 🕖 Months in 6 years	
3 32 ÷ 8	8 0.5 × 100	3 48 ÷ 8 + 3	8 Minutes in 4 hours.	
4 16 ÷ 2	9 Double 423.	4 21 ÷ 7 × 9	_ 🥑 Years in 3 centuries	
5 2564 + 5463	€208 × 3	5 8354 - 2746	₩ 7463 × 8	
Write all the fac	tors of 15	36 cards shared b One share =	petween 4 people.	
		12 a 6 × = 42	2 b $49 \div 7 = $	
13 a 4 squared	b 8 squared	13 How many 50c a	pples can be bought for \$3.70	
These 21 toys a shared between One share =	re equally 7 children. ————————————————————————————————————	 I poured 375 mL How much was I 18 shoes are in a How many pairs 	out of a full 3 L container. eft in the container? shop window. are there?	
5 a 3 × = 2	27 b $6 \times __ = 42$	1 Each hat has 4 co	orks attached.	
16 4 baskets with 2	20 eggs eacheggs	A How many corks are on		
How many days	in 5 weeks?	b How many hat	- Example Figure Could be made	
B Haley cut 15 cm How much of th	from a 1 m ruler. ne ruler remained?	with 32 corks?		
Is a population of or 3 000 000?	of 2 706 000 closer to 2 000 000	 How many minutes in 8 hours? How many are left over if 22 toys are shared by: 		
20 Complete the la	bels	a 3 girls?	b 4 girls?	
for the shaded s	section.	19 Write 3 out of 10) as a:	
tenths or		a decimal	b fraction	
2 Write fifty-one h	nundredths as a decimal	multiples of 12.	3 24 4 36 6	
22 How many thou	isandths in 0·364?			
x ables * 72	58 87 95 58 87 95 x 2 90 x 2 73 x 41 41 40 87	24 81 49 2×4 53 6 57 98 74	For times 4, double then double again.	

