

Excel

BASIC SKILLS

MATHS

YEAR

3

**AGES
8–9**

MENTAL MATHS STRATEGIES



Alan Parker & Jan Faulkner

Free-to-download sample pages with answers

CONTENTS

Help Section	2	Unit 17	52
Unit 1	20	Unit 18	54
Unit 2	22	Unit 19	56
Unit 3	24	Unit 20	58
Unit 4	26	Unit 21	60
Unit 5	28	Unit 22	62
Unit 6	30	Unit 23 — Fun Spot!	64
Unit 7 — Fun Spot!	32	Unit 24 — Revision	66
Unit 8 — Revision	34	Unit 25	68
Unit 9	36	Unit 26	70
Unit 10	38	Unit 27	72
Unit 11	40	Unit 28	74
Unit 12	42	Unit 29	76
Answers (lift-out section)	A1–A12	Unit 30	78
Unit 13	44	Unit 31 — Fun Spot!	80
Unit 14	46	Unit 32 — Revision	82
Unit 15 — Fun Spot!	48		
Unit 16 — Revision	50	Index to Help Section	84

Unit 1

A

1 ★★★★★ + ★★★★★ _____

2 $7 + 3$ _____

3 ☀☀☀☀☀☀ - ☀☀☀ _____

4 $10 - 5$ _____

5 Skip count by twos:
2, _____, _____, _____

6 3 rows of 10 _____

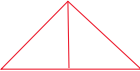
7 Is this a fair share? _____ 

8 Show a fair share for 2:
◆◆◆◆◆◆

9 Numeral for forty-two _____

10 5, 10, 15, _____, _____, _____

11 14, 24, 34, _____, 54

12 Colour half the triangle 

13 

= _____ cents

14 How many days in one week? _____

15 Name each shape:

a  _____

b  _____ 15

B

1 $16 + 3$ _____

2 13 and 7 more _____

3 $20 - 15$ _____

4 18 take away 9 _____

5 3×5 _____

6 $4 \times 2 = 2 + 2 + 2 + 2$
True or false? _____

7 How many rows of 2 make 10? _____

8 Circle to show four equal groups:



9 Write 37 in words

10 22, 24, _____, 28, 30

11 35, 30, 25, _____, _____, _____

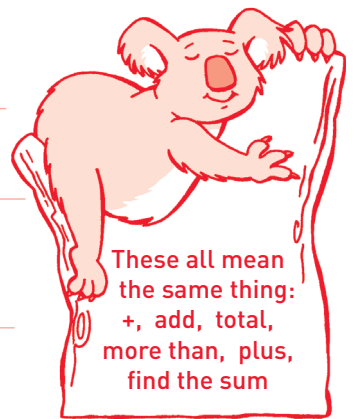
12 What fraction of this shape is coloured? _____ 

13 I had 50c but spent 30c.
How much is left? _____

14 Colour the coin with the smallest surface:

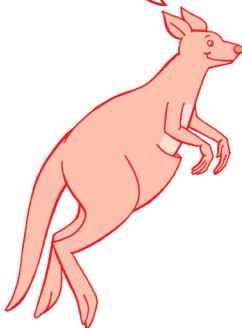


15 A square has 4 equal sides.
True or false? _____ 15



These all mean
the same thing:
+, add, total,
more than, plus,
find the sum

$38 + 23 = 61$
Start on 38.
Make 2 long jumps of 10,
then 3 short jumps of 1,
to add 23.



Jump along the number line to find the answer.

a 

$45 + 24 = \square$

b 

$37 + 25 = \square$

c 

$56 + 18 = \square$

d 

$42 + 29 = \square$

e 

$38 + 24 = \square$

f 

$47 + 33 = \square$

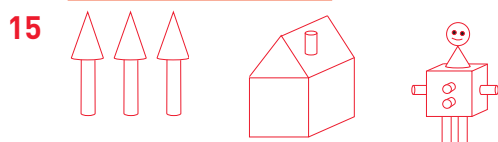


C

- 1 $17 + 7$ _____
- 2 9 more than 19 _____
- 3 $25 - 10$ _____
- 4 12 less than 18 _____
- 5 8×5 _____
- 6 $6 \times 2 = 3 \times 4$ True or false? _____
- 7 How many rows of 2 make 14? _____
- 8 Circle to show 2 equal groups:



- 9 5 tens + 6 ones _____
- 10 $4 + 5 = \square + 4$
- 11 18, 16, _____, 12, 10
- 12 Colour one quarter of the shape 
- 13 1 had 80c but spent 50c. How much is left? _____
- 14 Which season comes after summer?



Count the objects like these:

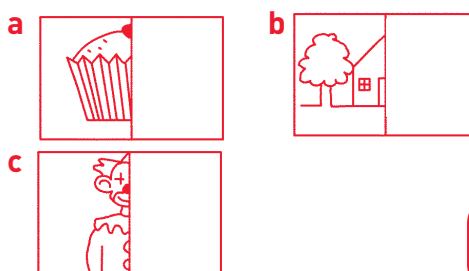


D

- 1 $33 + 25$ _____
- 2 42 plus 37 _____
- 3 50 subtract 24 _____
- 4 $48 - 24$ _____
- 5 12 groups of 2 _____
- 6 10×5 _____
- 7 How many lines of 5 make 20? _____
- 8 Circle to show 3 equal groups:



- 9 2 hundreds + 7 tens + 4 ones _____
- 10 $5 + 2 = 4 + 3$ True or false? _____
- 11 28, 24, 20, _____, 12
- 12 What fraction of this shape is coloured? 
- 13 Share 50c between 2 boys _____
- 14 How many days in June? _____
- 15 Draw the mirror image of each shape:



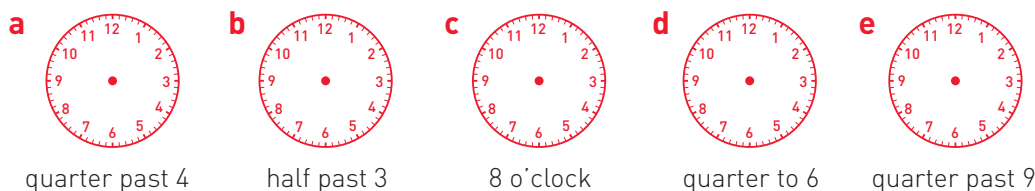
It takes 5 minutes for the minute hand to move from one number to the next.



- 1 Write the time shown on each clockface.



- 2 Show the time on each clockface.



7 o'clock



15 past 7
quarter past 7



30 past 7
half past 7



45 past 7
quarter to 8

Unit 2

A

1 ○○○○○ + ○○○○○○○

2 $4 + 6$ _____

3 □□□□□□□ - □□□

4 $10 - 8$ _____

5 Skip count by fives: 5, _____, _____, _____

6 6 groups of 10 _____

7 Circle groups of 2:



8 Show a fair share for 4:



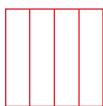
9

2	tens	4	ones
---	------	---	------

10 Next even number after 6 _____

11 22, 21, _____, 19

12 Colour two quarters

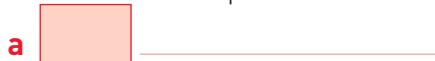


13 $50c + 20c$ _____

14 Tick the longer:



15 Name each shape:



B

1 $15 + 4$ _____

2 12 plus 7 _____

3 $30 - 9$ _____

4 22 subtract 11 _____

5 5×2 _____

6 6 rows of 5 _____

7 How many rows of 2 make 18? _____

8 Circle to show 4 equal groups:



9 3 hundreds + 2 tens + 8 ones _____

10 Last even number before 10 _____

11 What number follows 79? _____

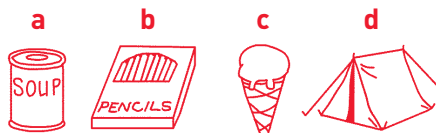
12 What fraction is shaded?



13 $20c + 10c + 20c$ _____

14 Date of Australia Day _____

15 Link each object with a solid:



a $7 + 6 + 3 =$ _____

b $4 + 8 + 6 =$ _____

c $1 + 7 + 9 =$ _____

d $5 + 9 + 5 =$ _____

e $9 + 8 + 1 =$ _____

f $3 + 5 + 7 =$ _____

g $5 + 9 + 5 + 1 =$ _____

h $7 + 4 + 3 + 6 =$ _____

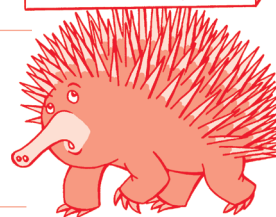
i $8 + 7 + 2 + 3 =$ _____

j $16 + 8 + 4 =$ _____

k $13 + 5 + 7 =$ _____

l $5 + 9 + 15 =$ _____

These all mean the same thing:
-, subtract, less, less than, difference, take away.



Look for pairs of numbers that add to ten.
That makes it easy.
e.g. $8 + 9 + 2 = 8 + 2 + 9$
 $= 10 + 9$
 $= 19$



C

- 1 $19 + 6$ _____
- 2 $24 + 8$ _____
- 3 $34 - 12$ _____
- 4 The difference between 18 and 8 _____
- 5 7 piles of 2 books _____
- 6 9×5 _____
- 7 30c into 2 equal piles _____
- 8 How many rows of 5 make 25? _____
- 9

2	hundreds	6	tens	3	ones
---	----------	---	------	---	------

- 10 3, 6, 9, _____, _____, _____
- 11 65, 60, 55, _____, _____, _____

- 12 What fraction of the fan is white? _____

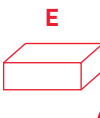
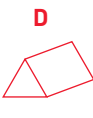
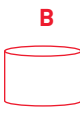
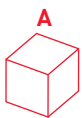


- 13 50c, \$1.00, \$1.50, _____

- 14 Tick the heavier in each pair:



- 15 Tick the prisms:



12 shared between 3 is 4 each.



D

- 1 37 add 22 _____
- 2 $54 + 25$ _____
- 3 $50 - 30$ _____
- 4 $47 - 16$ _____
- 5 9 rows of 2 _____
- 6 7×5 _____
- 7 50c into 10 equal piles _____
- 8 How many rows of 10 make 50? _____
- 9 1 hundred + 6 tens + 4 ones _____
- 10 11, 22, 33, _____, _____, _____
- 11 250, 200, 150, _____, _____

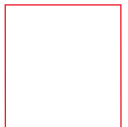
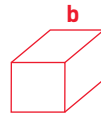
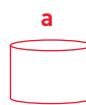
- 12 What fraction is shaded? _____



- 13 \$1.10 - 50c _____

- 14 Name the days of the weekend _____

- 15 Draw the top face of these solids:



12 shared between 4 is 3 each.



Use the array to find one share, if:

- a 10 are shared by 2 _____



- b 12 are shared by 3 _____



- c 9 are shared by 3 _____



- d 15 shared by 5 _____

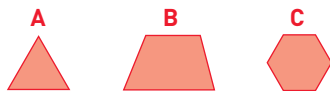


C

- 1 $13 + 8$ _____
- 2 17 and 14 more _____
- 3 $38 - 16$ _____
- 4 19 subtract 12 _____
- 5 Fingers on 6 girls _____
- 6 5 groups of 5 _____
- 7 Share 12 lollies among 3 boys _____
- 8 Circle 3 groups of 3:

- 9 How many digits in 19? _____
- 10 Tally marks for 19 _____
- 11 12, 18, 24, _____, 36
- 12 What fraction is shaded? _____

- 13 4 lots of 5c coins. How much? _____
- 14 Days in one fortnight _____
- 15 Which of these shapes:



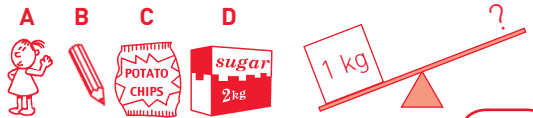
- a is a hexagon? _____
 b are regular? _____

15

D

- 1 $36 + 23$ _____
- 2 62 plus 27 _____
- 3 50 less 25 _____
- 4 $48 - 27$ _____
- 5 10 rows of 5 _____
- 6 5 rows of 4 cars _____
- 7 How many groups of 2? _____

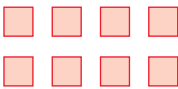
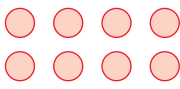
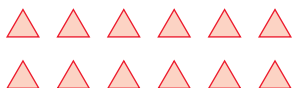
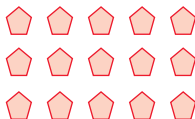
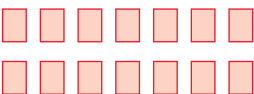
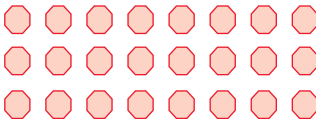
- 8 Share 35 pencils into 5 lines _____
- 9 $1\ 427 = 1000 + \square + 20 + 7$
- 10 $6 + 9 = 10 + \square$
- 11 15, 18, _____, 24, 27
- 12 Colour 5 eighths:

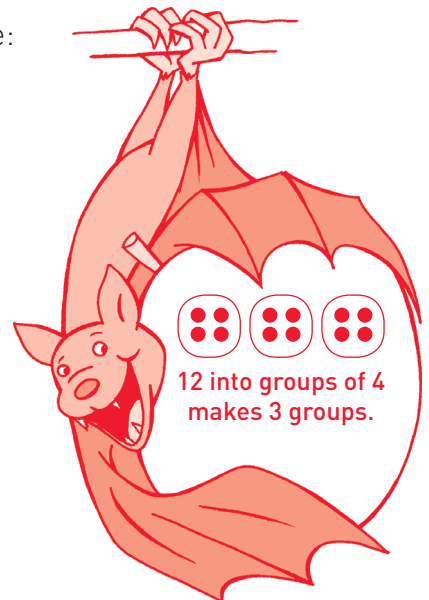
- 13 2 groups of 50c. How much? _____
- 14 Which items, used one at a time, would make the scales look like this? _____

- 15 A cube has 6 faces. True or false? _____



15

Use each array to find out how many of the following there are:

- a groups of 2 _____

- b groups of 4 _____

- c groups of 6 _____

- d groups of 5 _____

- e groups of 7 _____

- f groups of 3 _____




Unit 4

A

1 ○○○○○○ + ○○○○○○○○ _____

2 $8 + 7$ _____

3 □□□□□□□□□□ - □□□□ _____

4 17 subtract 7 _____

5 Skip count by twos: 28, _____, _____, _____

6 5 rows of 10 _____

7 10 shared between 2 _____

8 Circle groups of 3:



9

3	tens	6	ones
---	------	---	------

10 $8 + 7 = 15$ so $15 - 8 =$

11 Next odd number after 29 _____

12 What part of this shape is coloured?

13 5 lots of 10c _____

14 Tick the one that holds the most:



15 Which shape has 4 equal sides? _____



B

1 $8 + 14$ _____

2 36 plus 25 _____

3 $40 - 18$ _____

4 25 minus 17 _____

5 4 rows of 2 girls _____

6 2 groups of 4 boys _____

7 20 among 5 _____

8 10 eyes. How many faces? _____

9 Numeral for two hundred and six _____

10 $13 + 7 = 20$ so $20 - 7 =$

11 What number follows 79? _____

12 Which one is bigger, one half or one whole? _____

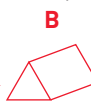
13 3 lots of 20c _____

14 Use words to write the time: _____





15 Tick the pyramids:



I'll have the whole glass please.



Split the tens and ones. Add the tens, add the ones, then find their total.

a $25 + 34 = 20 + 30 + 5 + 4 =$ _____

b $36 + 23 =$ _____

c $28 + 19 =$ _____

d $32 + 28 =$ _____

e $46 + 27 =$ _____

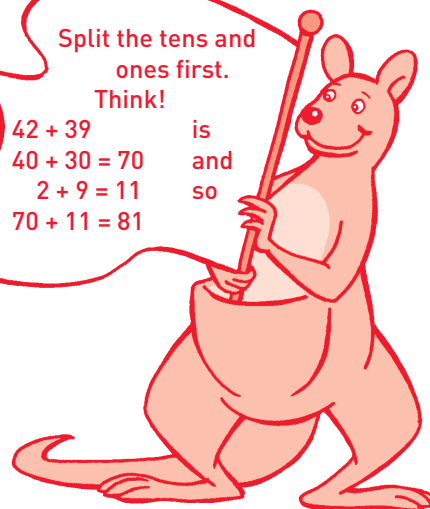
f $38 + 43 =$ _____

g $29 + 47 =$ _____

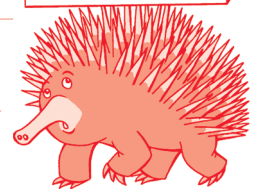
h $37 + 58 =$ _____

Split the tens and ones first. Think!

$42 + 39$ is
 $40 + 30 = 70$ and
 $2 + 9 = 11$ so
 $70 + 11 = 81$



A tessellation is made by identical shapes fitting together without gaps or overlaps.



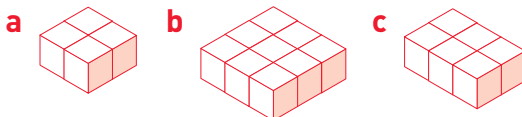
C

- 1 $17 + 33$ _____
- 2 19 plus 41 _____
- 3 $44 - 32$ _____
- 4 Difference between 56 and 26 _____
- 5 Legs on 3 dingoes _____
- 6 8 rows of 3 _____
- 7 Share 12 wombats into 2 holes _____
- 8 Colour groups of 2:



- 9 Write the number for 15 tens _____
- 10 $3 \times 5 = 10 + \square$
- 11 16, 20, 24, 28, _____
- 12 2 halves = 1 whole. True or false? _____
- 13 Sam had 25c and saved 50c. Total now? _____

- 14 How many blocks in each?

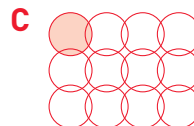
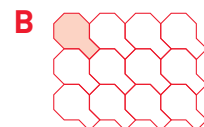


- 15 A cube has _____ faces.

15

D

- 1 $38 + 32$ _____
- 2 64 and 36 more _____
- 3 32 less than 55 _____
- 4 $69 - 39$ _____
- 5 7 groups of 10 _____
- 6 9 branches with 2 budgies on each _____
- 7 16 legs, how many emus? _____
- 8 Share 16 platypuses into 2 dams _____
- 9 Write the number for 10 tens _____
- 10 $6 \times 3 = 10 + \square$
- 11 32, 36, 40, _____, 48
- 12 2 quarters = _____ half
- 13 Cost of 4 pens at 50c each _____
- 14 Month before January _____
- 15 Colour the picture where the shaded shape tessellates:



15



There are 6 budgies on each branch.
How many budgies altogether?

6 budgies
 $\times 2$ branches
12 budgies altogether

Model these algorithms and record your answer.

a 6 emus in a row 6
2 rows $\times 2$
How many emus? _____

b 10 owls in a row 10
5 rows $\times 5$
How many owls? _____

c 6
 $\times 1$

d 8
 $\times 2$

e 4
 $\times 4$

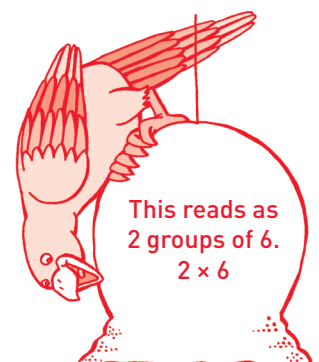
f 6
 $\times 5$

g 5
 $\times 4$

h $5 \times 10 = \square$

i $10 \times 4 = \square$

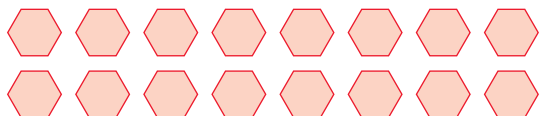
j $5 \times 5 = \square$



Unit 5

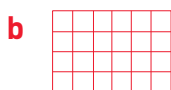
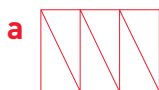
A

- 1 $5 + 7$ _____
- 2 9 plus 4 _____
- 3 $13 - 8$ _____
- 4 16 minus 7 _____
- 5 Draw 2 rows of 8 circles:
- 6 9×5 _____
- 7 Share 15 amongst 5 _____
- 8 Circle groups of 4:



- 9 Write 147 in words

- 10 $9 + 6 = 15$ so $15 - 6 =$
- 11 Last even number before 80 _____
- 12 Colour a quarter of: ○○○○○○○○
- 13 Cost of 4 five-cent jellies _____
- 14 Count the shapes:



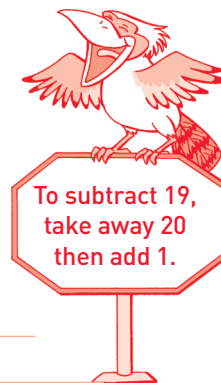
_____ triangles _____ squares

- 15 How many sides on a rectangle? _____



B

- 1 $9 + 13$ _____
- 2 38 and 22 more _____
- 3 $45 - 19$ _____
- 4 56 take away 29 _____
- 5 5 piles of 4 logs _____
- 6 8 rows of 10 books _____
- 7 Share 6 eels into 2 nets _____
- 8 How many groups of 2 in 12? _____

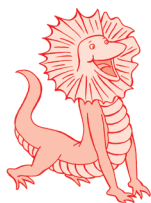
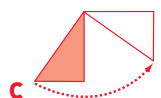


- 9

2	hundreds	7	tens	4	ones
---	----------	---	------	---	------

- 10 $25 + 6 = 31$ so $31 - 6 =$
- 11 What number is before 240? _____
- 12 Which is smaller, one half or one quarter? _____
- 13 Change from \$1 when I spent 75c

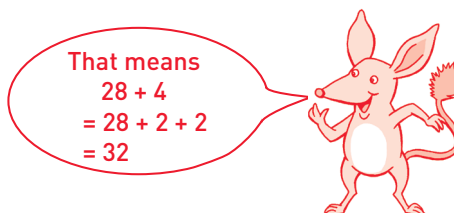
- 14 Season after winter _____
- 15 Does each show a flip, slide or turn?



$8 + 5 =$
I have 8 and need 2 to
bridge to 10.
So $8 + 2 + 3 = 13$

Add by bridging to tens.

- a $9 + 7 = 9 +$ _____ $+$ _____ $=$ _____
- c $6 + 9 = 6 +$ _____ $+$ _____ $=$ _____
- e $14 + 8 = 14 +$ _____ $+$ _____ $=$ _____
- g $27 + 8 = 27 +$ _____ $+$ _____ $=$ _____
- i $33 + 9 = 33 +$ _____ $+$ _____ $=$ _____



That means
 $28 + 4$
 $= 28 + 2 + 2$
 $= 32$

- b $8 + 6 = 8 +$ _____ $+$ _____ $=$ _____
- d $15 + 7 = 15 +$ _____ $+$ _____ $=$ _____
- f $16 + 9 = 16 +$ _____ $+$ _____ $=$ _____
- h $35 + 7 = 35 +$ _____ $+$ _____ $=$ _____
- j $38 + 8 = 38 +$ _____ $+$ _____ $=$ _____

C

- 1 18 add 42 _____
- 2 $22 + 58$ _____
- 3 $35 - 19$ _____
- 4 46 subtract 31 _____
- 5 7×3 _____
- 6 8×10 _____
- 7 14 birds in 2 nests.
How many in 1 nest? _____
- 8 Share 16 among 4 _____
- 9 Write 456 in words

- 10 $8 + 4 = 3 \times \square$
- 11 48, 44, _____, 36, 32
- 12 1 half = 2 quarters. True or false? _____
- 13 Cost of 10 five-cent pencils _____
- 14 Rocks were used to measure the mass of each object:



10 rocks

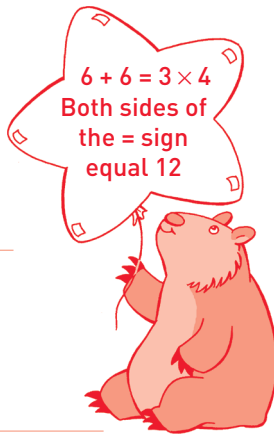


15 rocks



2 rocks

- a Circle the object with the greater mass
- b Tick the object with the least mass
- 15 How many angles in a square? 15



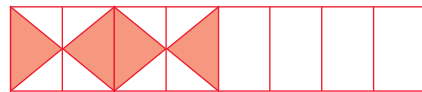
D

- 1 $26 + 54$ _____
- 2 $34 + 46$ _____
- 3 $64 - 19$ _____
- 4 $70 - 50$ _____
- 5 5×5 _____
- 6 6×10 _____
- 7 How many groups of 7 in 14? _____
- 8 Share 18 between 2 _____
- 9 Tens in 461 _____
- 10 $8 + 8 = \square \times 4$
- 11 24, 32, _____, 48, 56
- 12 Colour 3 eighths:

- 13 Change from \$2 if I spent 75c _____
- 14 Which covers the larger area:
a your ruler or this book?

- b the classroom floor or door?

- 15 Flip the triangle to finish the pattern:



15

Jump back along the number line to find the answer.

a $36 - 24 =$ _____



b $42 - 26 =$ _____



c $58 - 33 =$ _____



d $76 - 42 =$ _____



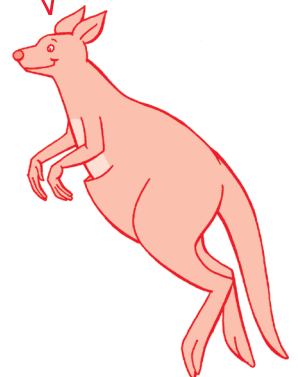
e $30 - 16$ Think $30 - 10 - 6 =$ _____

f $40 - 24$ Think $40 - 20 - 4 =$ _____

g $45 - 23$ Think $45 - 20 - 3 =$ _____

h $56 - 42$ Think $56 - 40 - 2 =$ _____

40 - 23
Start on 40. To subtract 23
jump back 2 long jumps of
10, then back 3 short
jumps of 1 to give 17.



Unit 6

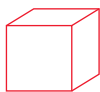
A

- 1 $8 + 4$ _____
- 2 9 add 6 _____
- 3 $13 - 9$ _____
- 4 16 minus 8 _____
- 5 9 rows of 10 _____
- 6 Skip count by 4s: 16, 20, 24, 28, _____
- 7 12 shared by 3 _____
- 8 Circle groups of 2:



- 9 $30 + 6$ _____
- 10 $3 \times 4 = 4 + 4 + \square$
- 11 Last even number before 30 _____
- 12 Colour half:

- 13 Cost of 6 ten-cent cakes _____
- 14 Month after December _____
- 15 On this cube, colour:

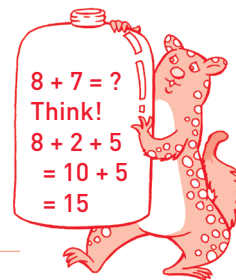


- a the top red
- b the front blue



B

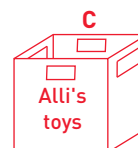
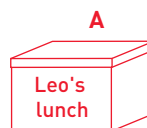
- 1 $9 + 8$ _____
- 2 $16 + 9$ _____
- 3 $40 - 19$ _____
- 4 57 subtract 25 _____
- 5 7 heaps of 3 books _____
- 6 3 boxes of 9 pencils _____
- 7 How many groups of 2 in 14? _____
- 8 Share 18 between 2 _____
- 9 $400 + 80 + 7$ _____



- 10 $5 + 5 + 5 + 5 = \square \times 5$
- 11 What number follows 149? _____
- 12 Colour 3 fifths:



- 13 Change from \$1 if I spent 85c _____
- 14 Cubes were used to measure the volume of each box. Colour the container with the greatest volume:



720 cubes

80 cubes

4000 cubes

- 15 Which shape has six sides? _____



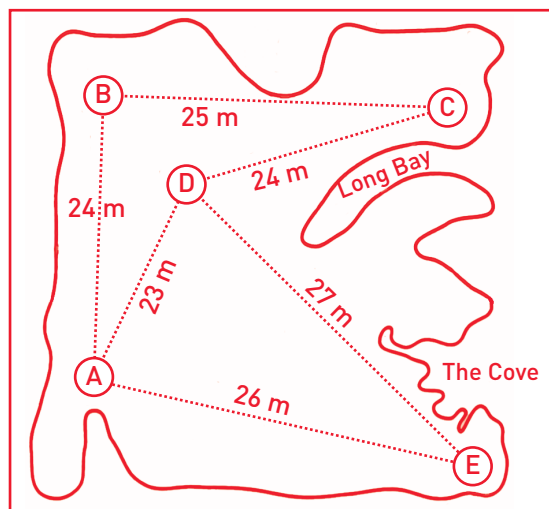
- 1 Joey has lost his mum. How far did he hop from:

- a A to B to C? _____
- b D to E to A? _____
- c A to D to C? _____
- d B to C to D? _____



- 2 Draw the following.

- a a blue line on the longest distance
- b an island in The Cove
- c his mum in the middle of triangle ADE



C

- 1 17 add 43 _____
- 2 23 + 47 _____
- 3 43 - 26 _____
- 4 Deduct 16 from 58 _____
- 5 8 rows of 5 _____
- 6 4 tanks of 5 fish _____
- 7 20 legs, how many chairs? _____
- 8 Share 22 flowers into 2 vases _____
- 9 300 + 7 _____
- 10 $6 + 8 = 14$ so $14 - 8 = \boxed{}$
- 11 24, 28, _____, 36, 40
- 12 Shade $\frac{1}{2}$

- 13 $15c + 25c + 10c$ _____
- 14 Pattern the smaller area with blue squares:

A



B



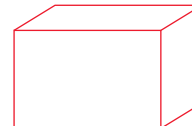
- 15 Is a rectangle a quadrilateral? _____

15

D

- 1 38 + 22 _____
- 2 35 plus 25 _____
- 3 Subtract 18 from 79 _____
- 4 70 - 55 _____
- 5 8×3 _____
- 6 6 bunches of 10 flowers _____
- 7 16 wheels, how many cars? _____
- 8 Share 24 cakes into 2 tins _____
- 9 $1000 + 50 + 6$ _____
- 10 $9 + 7 = 16$ so $16 - \boxed{} = 9$
- 11 44, 48, _____, 56, 60
- 12 Which is larger, one half or one quarter? _____
- 13 $35c + 25c$ _____
- 14 Month before November _____
- 15 Use these words to label the shape:

height
width
length



15



$$\begin{aligned} 26 + 12 &= ? \\ 20 + 10 + 6 + 2 \\ &= 30 + 8 \\ &= 38 \end{aligned}$$

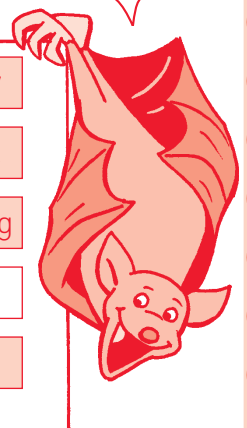
Matt is in
Column 3,
Row 4.



Position is the
location of an object.
Coordinates are letters
or numbers that show
position.



The bottom
coordinate is always
read before the side
coordinate.



- 1 Give the position of:
 - a Lou _____
 - b Mike _____
 - c Alli _____
 - d Leo _____

- 2 Write Alan in Column 2, Row 3.

- 3 Draw the teacher in Column 4, Row 2.

	5	Leo	Ben		Amy
	4		Alli	Matt	Alex
Row	3	Lou		Mike	Trang
	2			Mario	
	1	Tom		Sam	Mel
		1	2	3	4
		Column			

Unit 1 Page 20

A 1 9 2 10 3 3 4 5 5 4, 6, 8 6 30 7 no 8  9 42 10 20, 25, 30 11 44 12 
13 110c 14 7 15a triangle b rectangle

B 1 19 2 20 3 5 4 9 5 15 6 true 7 5 8 
9 thirty-seven 10 26 11 20, 15, 10 12 one quarter or $\frac{1}{4}$ 13 20c 14 B 15 true

Extra practice section: a 69 b 62 c 74 d 71 e 62 f 80

C 1 24 2 28 3 15 4 6 5 40 6 true 7 7 8  9 56 10 5 11 14 12 
13 30c 14 autumn 15a 10 b 1 c 2 d 1 e 4

D 1 58 2 79 3 26 4 24 5 24 6 50 7 4 8  9 274 10 true 11 16
12 three quarters, three out of 4, $\frac{3}{4}$ 13 25c each 14 30 15a  b  c 

Extra practice section: 1a half past 9 b 5 o'clock c quarter to 3 d quarter past 10 e quarter to 11



Unit 2 Page 22

A 1 10 2 10 3 3 4 2 5 10, 15, 20 6 60 7  8  9 24 10 8 11 20 12  13 70c 14 B 15a rectangle
b circle c hexagon

B 1 19 2 19 3 21 4 11 5 10 6 30 7 9 8  9 328 10 8 11 80
12 half, two out of four, two quarters, $\frac{2}{4}$, $\frac{1}{2}$ 13 50c 14 January 26 15a D b A c B d C

Extra practice section: a 16 b 18 c 17 d 19 e 18 f 15 g 20 h 20 i 20 j 28 k 25 l 29

C 1 25 2 32 3 22 4 10 5 14 6 45 7 15c 8 5 9 263 10 12, 15, 18 11 50, 45, 40
12 one out of four, one quarter, $\frac{1}{4}$ 13 \$2 14a  b  15 A, C, D, E

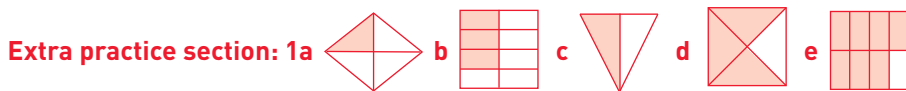
D 1 59 2 79 3 20 4 31 5 18 6 35 7 5c 8 5 9 164 10 44, 55, 66 11 100, 50
12 one out of two, one half, $\frac{1}{2}$ 13 60c 14 Saturday, Sunday 15a  b 

Extra practice section: a 5 b 4 c 3 d 3

Unit 3 Page 24

A 1 14 2 12 3 5 4 10 5 8, 12, 16 6 35 7 0 8  9 81
10 4 11 30 12  13 25c 14 6 o'clock 15 

- B** 1 21 2 30 3 21 4 24 5 40 6 40 7 0 8 0 9 160 10 8 11 19 12 three out of eight, three eighths, $\frac{3}{8}$
13 45c 14 7 cm 15a 1 b 6



- C** 1 21 2 31 3 22 4 7 5 60 6 25 7 4 each 8    9 2
10  11 30 12 3 out of 8, three eighths, $\frac{3}{8}$ 13 20c 14 14 15a C b A, C

- D** 1 59 2 89 3 25 4 21 5 50 6 20 7 4 8 7 9 400 10 5 11 21 12 
13 100 cents, one dollar, \$1.00 14 B, C 15 true

Extra practice section: a 4 b 2 c 2 d 3 e 2 f 8

Unit 4 Page 26

- A** 1 12 2 15 3 6 4 10 5 30, 32, 34 6 50 7 5 8 
9 36 10 7 11 31 12 one out of two, one half, $\frac{1}{2}$ 13 50c 14 B 15 square or rhombus

- B** 1 22 2 61 3 22 4 8 5 8 6 8 7 4 8 5 9 206 10 13 11 80 12 one whole 13 60c 14a seven thirty
b seven forty 15 A, E

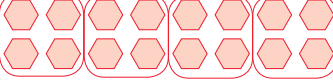
Extra practice section: a $25 + 34 = 20 + 30 + 5 + 4 = 59$ b $36 + 23 = 30 + 20 + 6 + 3 = 59$
c $28 + 19 = 20 + 10 + 8 + 9 = 47$ d $32 + 28 = 30 + 20 + 2 + 8 = 60$
e $46 + 27 = 40 + 20 + 6 + 7 = 73$ f $38 + 43 = 30 + 40 + 8 + 3 = 81$
g $29 + 47 = 20 + 40 + 9 + 7 = 76$ h $37 + 58 = 30 + 50 + 7 + 8 = 95$

- C** 1 50 2 60 3 12 4 30 5 12 6 24 7 6 8  9 150 10 5 11 32 12 true
13 75c 14a 4 b 9 c 6 15 6

- D** 1 70 2 100 3 23 4 30 5 70 6 18 7 8 8 8 9 100 10 8 11 44 12 one half 13 \$2 14 December
15 B

Extra practice section: a 12 b 50 c 6 d 16 e 16 f 30 g 20 h 50 i 40 j 25

Unit 5 Page 28

- A** 1 12 2 13 3 5 4 9 5  , 16 6 45 7 3 8 
9 one hundred and forty-seven 10 9 11 78 12 2 circles 13 20c 14a 6 b 24 15 4

- B** 1 22 2 60 3 26 4 27 5 20 6 80 7 3 8 6 9 274 10 25 11 239 12 one quarter 13 25c 14 spring
15a slide b flip c turn

Extra practice section: a $9 + 7 = 9 + 1 + 6 = 16$ b $8 + 6 = 8 + 2 + 4 = 14$ c $6 + 9 = 6 + 4 + 5 = 15$
d $15 + 7 = 15 + 5 + 2 = 22$ e $14 + 8 = 14 + 6 + 2 = 22$ f $16 + 9 = 16 + 4 + 5 = 25$
g $27 + 8 = 27 + 3 + 5 = 35$ h $35 + 7 = 35 + 5 + 2 = 42$ i $33 + 9 = 33 + 7 + 2 = 42$
j $38 + 8 = 38 + 2 + 6 = 46$

- C** 1 60 2 80 3 16 4 15 5 21 6 80 7 7 8 4 9 four hundred and fifty-six 10 4 11 40 12 true 13 50c
14a B b C 15 4

D 1 80 2 80 3 45 4 20 5 25 6 60 7 2 8 9 9 46 10 4 11 40 12 

13 \$1.25 14a this book b classroom floor 15 

Extra practice section: a 12 b 16 c 25 d 34 e 14 f 16 g 22 h 14

Unit 6 Page 30

A 1 12 2 15 3 4 4 8 5 90 6 32 7 4 8 4 groups are circled 9 36 10 4 11 28 12 5 stars

13 60c 14 January 15 teacher or parent to check

B 1 17 2 25 3 21 4 32 5 21 6 27 7 7 8 9 9 487 10 4 11 150 12 colour 3 out of 5 platypus 13 15c

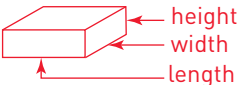
14 4000 cubes, C 15 hexagon

Extra practice section: 1a 49 m b 53 m c 47 m d 49 m 2 teacher or parent to check a DE
b teacher or parent to check c teacher or parent to check

C 1 60 2 70 3 17 4 42 5 40 6 20 7 5 8 11 9 307 10 6 11 32 12  13 50c

14 A is smaller 15 yes

D 1 60 2 60 3 61 4 15 5 24 6 60 7 4 8 12 9 1056 10 7 11 52 12 one half 13 60c 14 October

15 

Extra practice section: 1a Column 1, Row 3 b Column 3, Row 3 c Column 2, Row 4 d Column 1, Row 5
2 teacher or parent to check, below Alli 3 teacher or parent to check, above Mel