

Excel

BASIC SKILLS

MATHS

YEAR

2

AGES

7-8

MENTAL MATHS STRATEGIES

Free-to-download sample pages with answers



**PASCAL
PRESS**

Alan Parker

Unit 1

A

1 Complete.



and =



and =



plus =



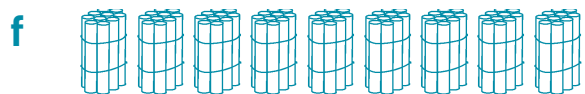
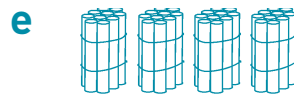
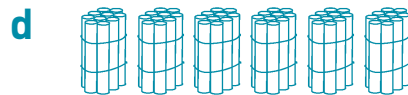
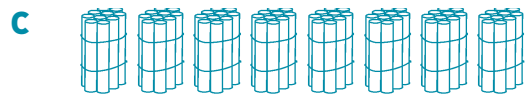
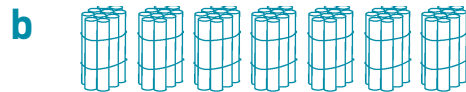
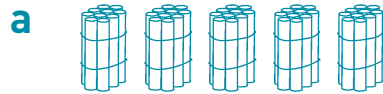
plus =



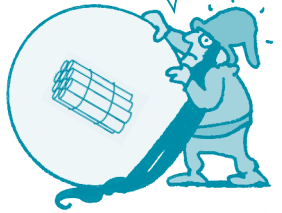
plus =

B

1 Write the numeral for:



There are ten in each bundle.



1 Write the missing numbers.

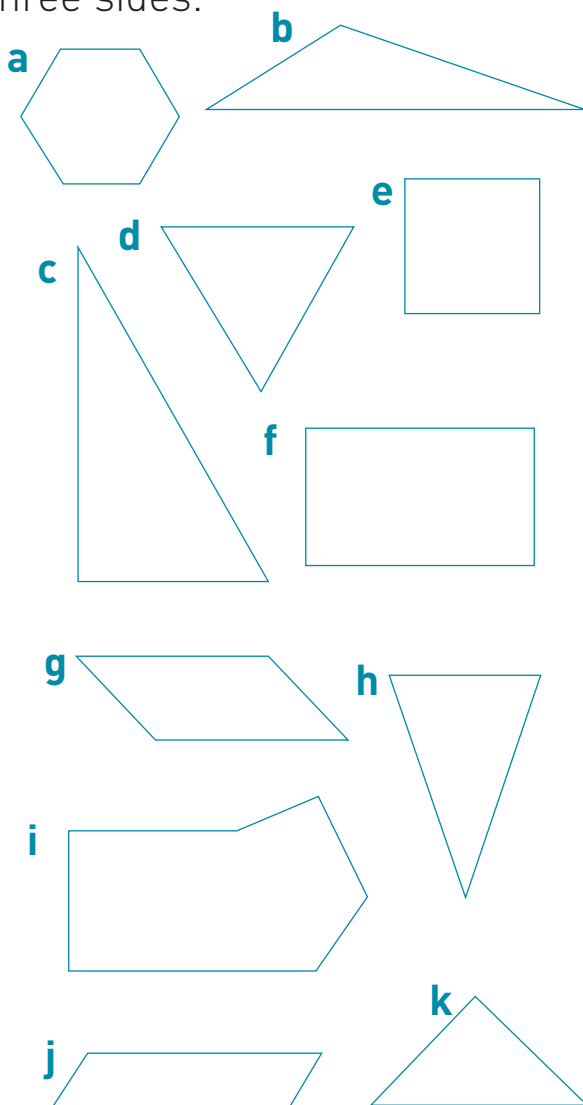
47, 48, 49, 50



1	2	3	4	5		7			10
	12	13		15	16		18	19	
21		23	24		26	27			30
	32		34	35		37	38		
		43	44	45					

C

1 Colour the shapes with three sides.



D

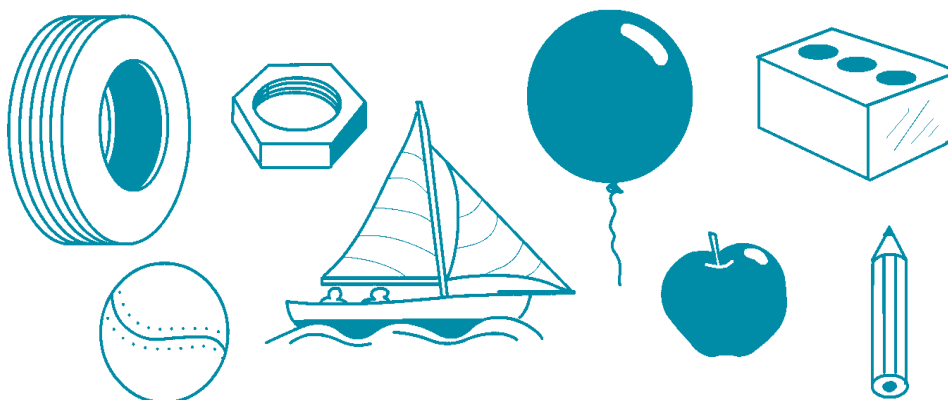
1 Order the months of the year.

January, February, March...

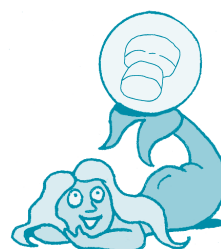


January	<input type="radio"/>
July	<input type="radio"/>
March	<input type="radio"/>
February	<input type="radio"/>
December	<input type="radio"/>
April	<input type="radio"/>
October	<input type="radio"/>
August	<input type="radio"/>
May	<input type="radio"/>
November	<input type="radio"/>
September	<input type="radio"/>
June	<input type="radio"/>

1 Colour the objects that would float.



A cork will float.



Unit 2

A

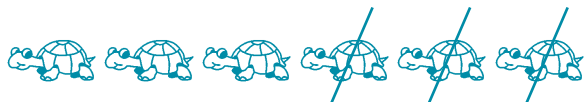
1 Complete.

a



minus =

b



minus =

c



minus =

d



minus =

e



minus =

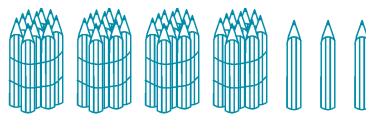
B

1 Write the numeral for:

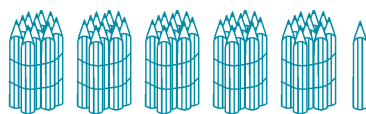
3 minus 1 = 2.



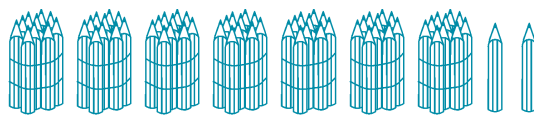
a



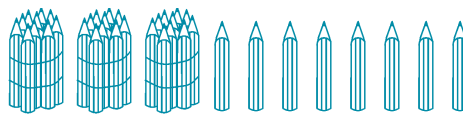
b



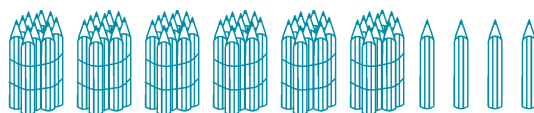
c



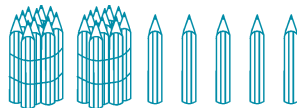
d



e



f



1 Draw lines to match.

I say thirty-nine for 39.



a

twenty-six

39

b

thirty-nine

26

c

sixty-seven

83

d

eighty-three

67

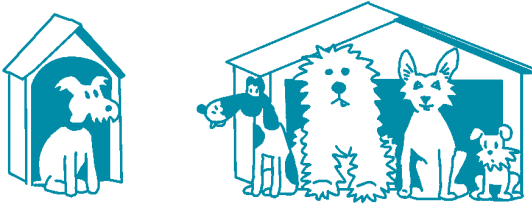
e

fifty-eight

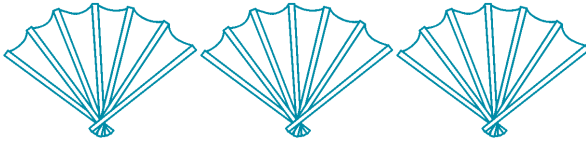
58

C

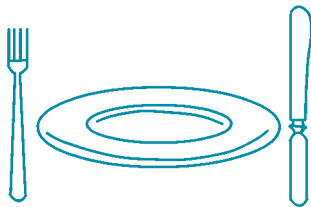
1 Colour the dog on the right.



2 Colour the fan in the middle.



3 Is the fork on the left? _____



4 Is the frog under the umbrella? _____



D

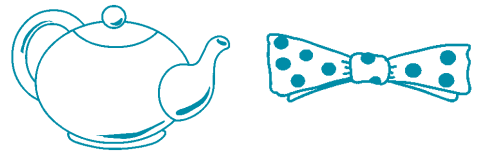
1 Colour the heavier object.

An object is heavier if it has more mass.

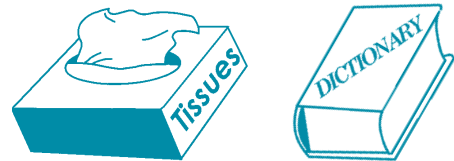
a



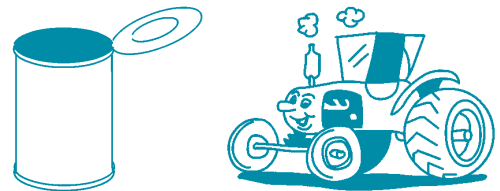
b



c



d



e

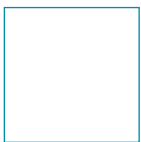


f

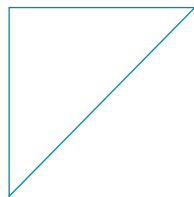


1 How many sides has each shape?

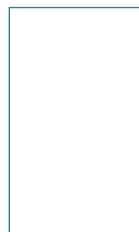
a



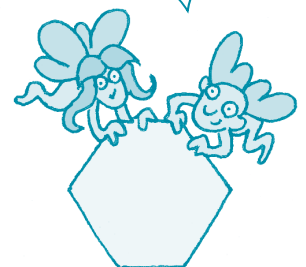
b



c



This shape has 6 sides.



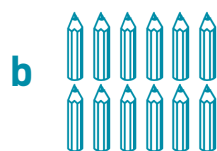
Unit 3

A

1 Complete.



rows of =



rows of =



rows of =



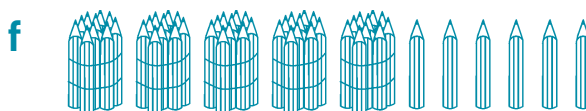
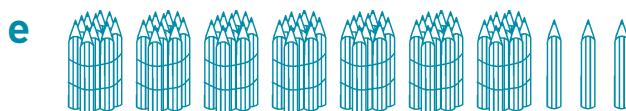
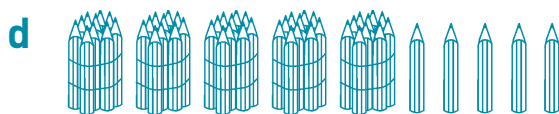
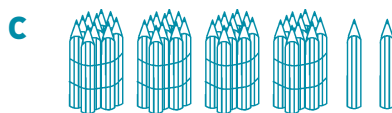
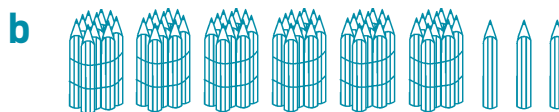
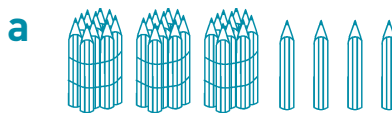
rows of =



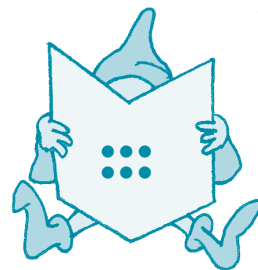
rows of =

B

1 Write the numeral for:



2 rows of 3 = 6.



1 Write the missing numbers.

This pattern is count by twos.



a

10	12	14	16	
----	----	----	----	--

b

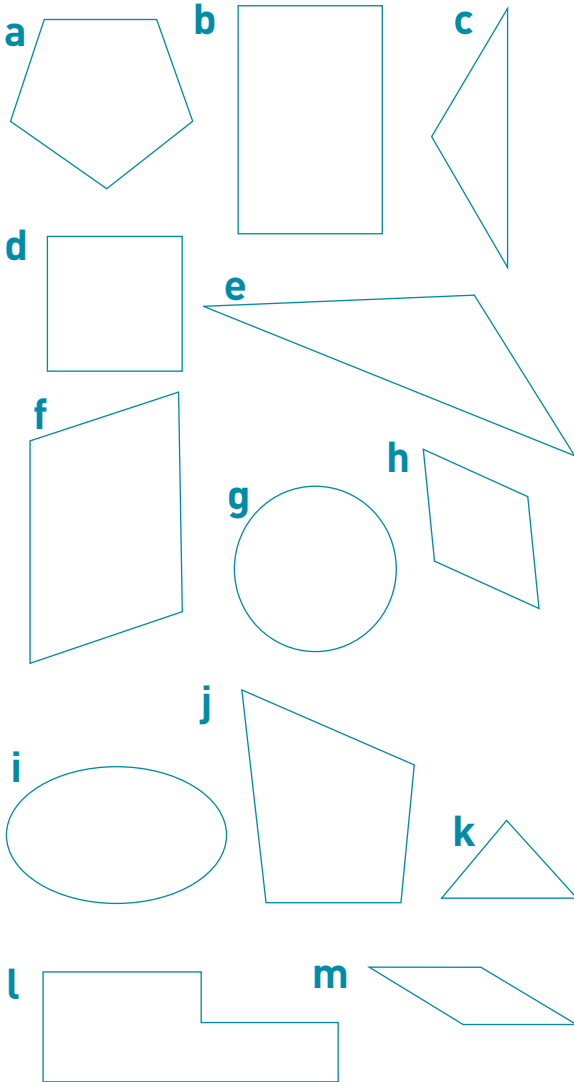
34	36	38	40	
----	----	----	----	--

c

15	20	25	30	
----	----	----	----	--

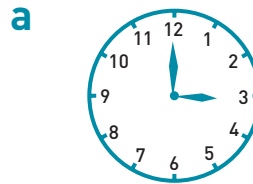
C

1 Colour the shapes with four sides.

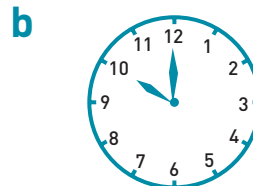


D

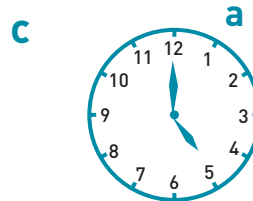
1 Write the time shown.



_____ o'clock



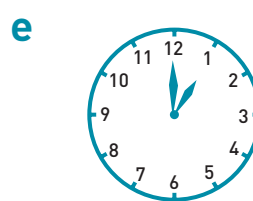
_____ o'clock



_____ o'clock



_____ o'clock

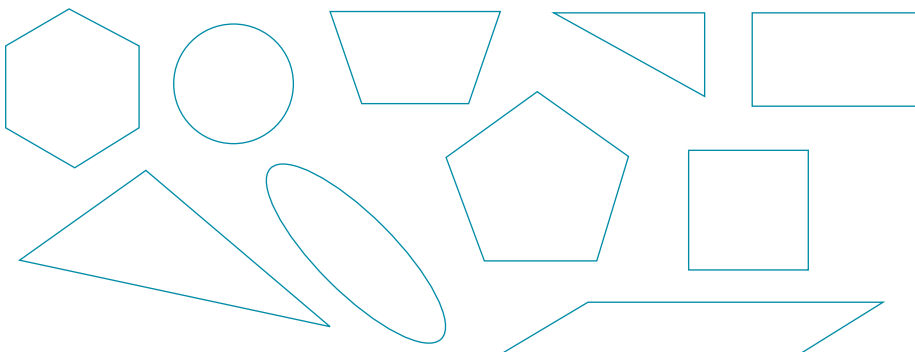


_____ o'clock

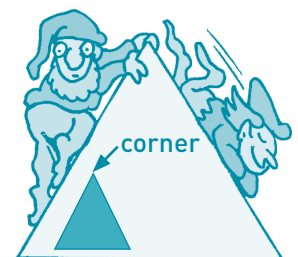
The little hand tells us the hour.



1 Colour all the shapes that have corners.



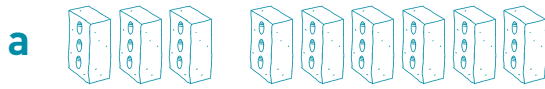
Two sides meet at a corner.



Unit 4

A

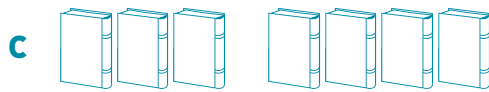
1 Complete.



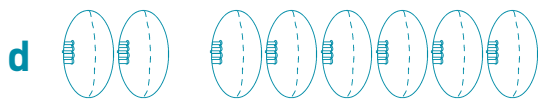
$$\square + \square = \square$$



$$\square + \square = \square$$



$$\square + \square = \square$$



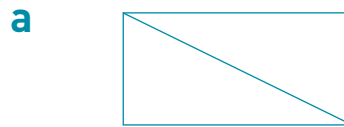
$$\square + \square = \square$$



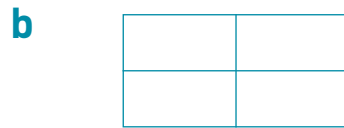
$$\square + \square = \square$$

B

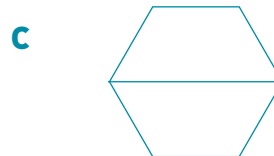
1 Colour the fraction.



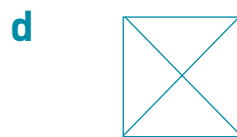
half



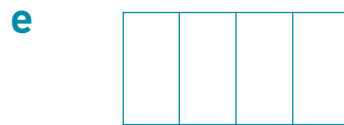
quarter



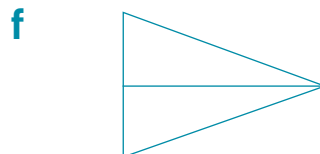
half



quarter

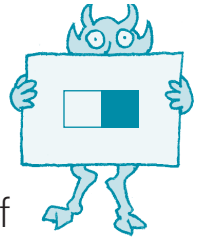


quarter



half

This is a half.



1 Name each coin.









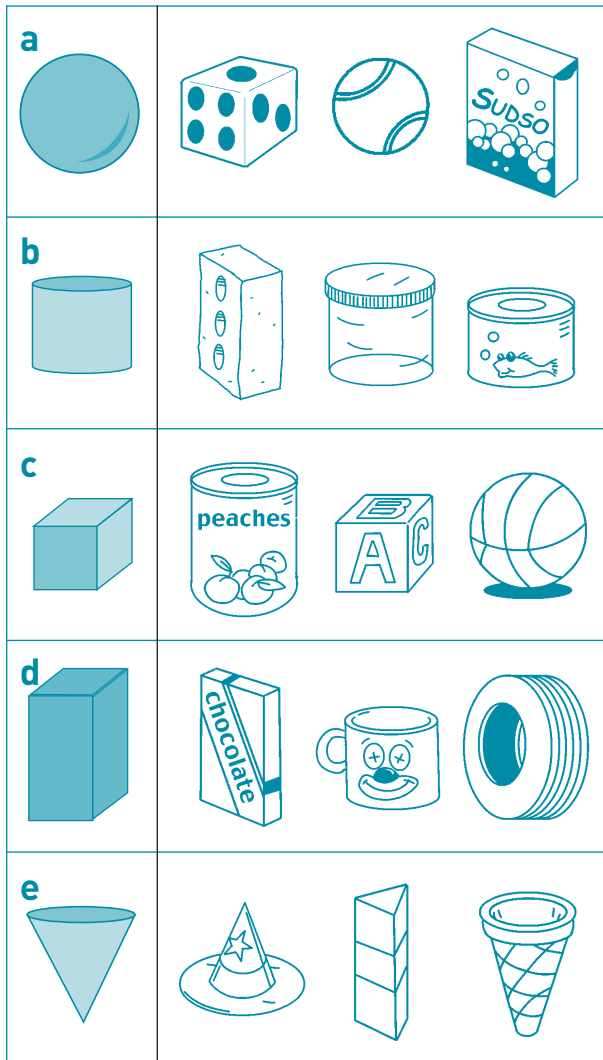


This is a 20 cent coin.



C

1 Colour the objects that look like each solid.



D

1 Colour the larger container.

a



b



c



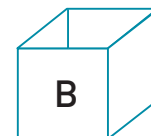
d



e



f

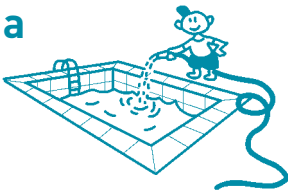


This is a solid.



1 Colour the things that would take less than an hour.

a



b



c



d



e




This takes less than one hour.

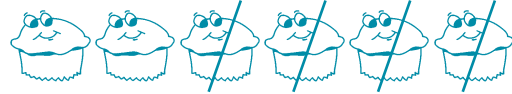



Unit 5

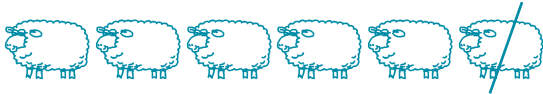
A


1 Complete.

a 
 $\square - \square = \square$

b 
 $\square - \square = \square$

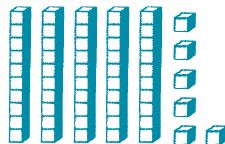
c 
 $\square - \square = \square$

d 
 $\square - \square = \square$

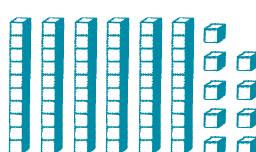
e 
 $\square - \square = \square$

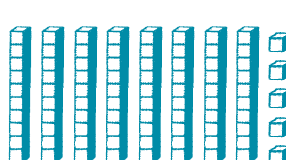
B


1 Write the numeral for:

a 

b 

c 

d 

e 

This sign means 'take away'.



I colour
5, 10, 15 ...

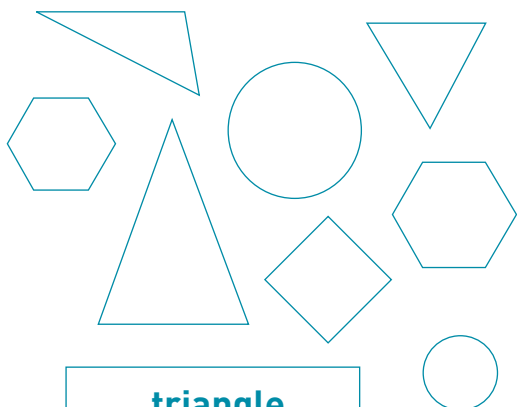


- 1 Count by fives and colour each number counted.
- 2 Count by tens.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

C

1 Colour to match.

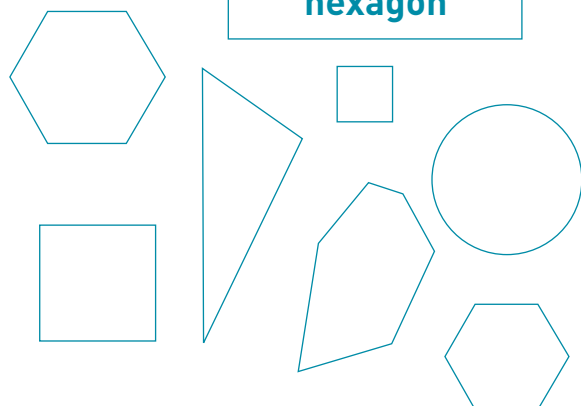


triangle

circle

square

hexagon



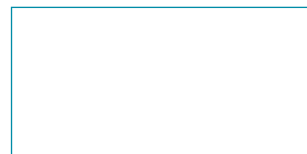
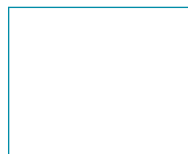
D

1 Colour the larger area.

Area is the amount of surface covered.



a



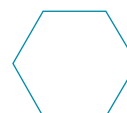
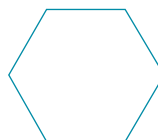
b



c



d



e



1 Circle the objects that could roll.

a



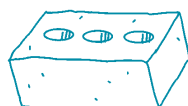
b



c



d



e



f



A cone will roll.



Unit 6

A

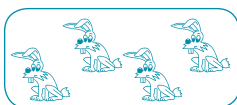
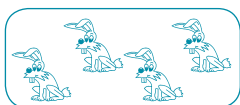
1 Complete.

a



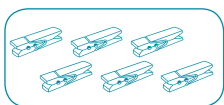
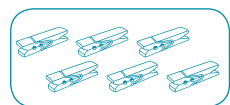
groups of =

b



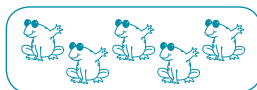
groups of =

c



groups of =

d



groups of =

e



groups of =

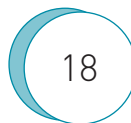
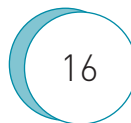
B

1 Write the next number.

2 groups of 2 = 4.



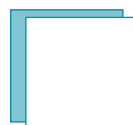
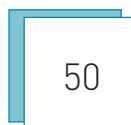
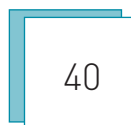
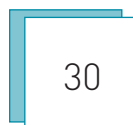
a



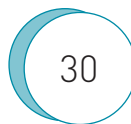
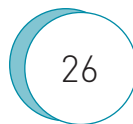
b



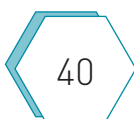
c



d



e



f



Even numbers end in 0, 2, 4, 6 or 8.



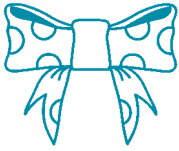
1 Circle the even numbers.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

C

1 Draw a line of symmetry.

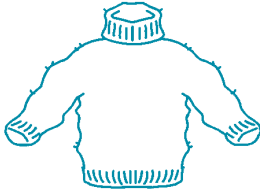
a



b



c



d



e



f



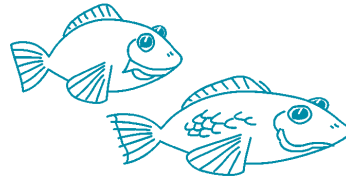
D

1 Colour the longer.

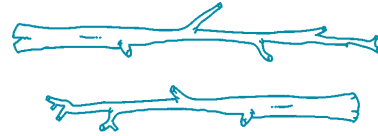
a



b



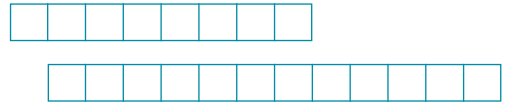
c



d



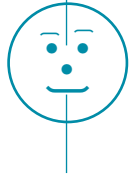
e



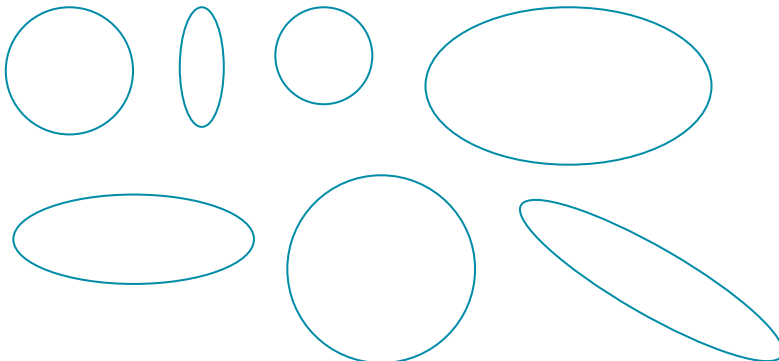
f



Here is
a line of
symmetry.



1 Colour the ovals.



This is
an oval.



Unit 1 Page 18

A 1 **a** 4 and 3 = 7 **b** 3 and 5 = 8 **c** 4 + 2 = 6 **d** 2 + 5 = 7 **e** 4 + 4 = 8

B 1 **a** 50 **b** 70 **c** 80 **d** 60 **e** 40 **f** 90

Extra practice section: 1

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

C 1 **b**, **c**, **d**, **h** and **k** are coloured.

D 1 January—1, July—7, March—3, February—2, December—12, April—4, October—10, August—8, May—5, November—11, September—9, June—6

Extra practice section: 1 The ball, boat, balloon, apple and pencil are coloured.

Unit 2 Page 20

A 1 **a** 5 minus 3 = 2 **b** 6 minus 3 = 3 **c** 4 minus 1 = 3 **d** 5 minus 4 = 1 **e** 4 minus 2 = 2

B 1 **a** 43 **b** 51 **c** 72 **d** 38 **e** 64 **f** 25

Extra practice section: 1 **a** twenty-six—26 **b** thirty-nine—39 **c** sixty-seven—67
d eighty-three—83 **e** fifty-eight—58

C 1 The dog on the right is coloured. 2 The middle fan is coloured. 3 yes 4 yes

D 1 **a** The book is coloured. **b** The teapot is coloured. **c** The dictionary is coloured.
d The tractor is coloured. **e** The shoe is coloured. **f** The bath is coloured.

Extra practice section: 1 **a** 4 **b** 3 **c** 4

Unit 3 Page 22

A 1 **a** 2 rows of 4 = 8 **b** 2 rows of 6 = 12 **c** 2 rows of 3 = 6 **d** 2 rows of 5 = 10
e 2 rows of 2 = 4

B 1 **a** 34 **b** 63 **c** 42 **d** 55 **e** 73 **f** 56

Extra practice section: 1 **a** 18 **b** 42 **c** 35

C 1 **b, d, f, h, j** and **m** are coloured.

D 1 **a** 3 o'clock **b** 10 o'clock **c** 5 o'clock **d** 8 o'clock **e** 1 o'clock

Extra practice section: 1 All shapes except the circle and oval are coloured.

Unit 4 Page 24

A 1 **a** $3 + 6 = 9$ **b** $4 + 1 = 5$ **c** $3 + 4 = 7$ **d** $2 + 6 = 8$ **e** $5 + 2 = 7$



Extra practice section: 1 **a** 10 cents **b** 1 dollar **c** 50 cents **d** 5 cents **e** 2 dollars

C 1 **a** ball **b** bottle and tin **c** block **d** chocolate **e** witch's hat and ice cream cone

D 1 **a** jug **b** garbage can **c** fruit **d** mug **e** coffee **f** B

Extra practice section: 1 **a** not coloured **b** coloured **c** not coloured **d** coloured
e coloured

Unit 5 Page 26

A 1 **a** $5 - 2 = 3$ **b** $6 - 4 = 2$ **c** $7 - 5 = 2$ **d** $6 - 1 = 5$ **e** $7 - 3 = 4$

B 1 **a** 56 **b** 43 **c** 69 **d** 85 **e** 78

Extra practice section: 1 5, 10, 15, 20, 25, 30, 35, 40, 45, 50 are coloured.
2 10, 20, 30, 40, 50 are counted.

C 1 4 triangles, 3 circles, 3 squares, 5 hexagons (one irregular)

D 1 **a** rectangle on the right **b** stamp on the right **c** 20 cent coin **d** hexagon on the left
e ice cream lid

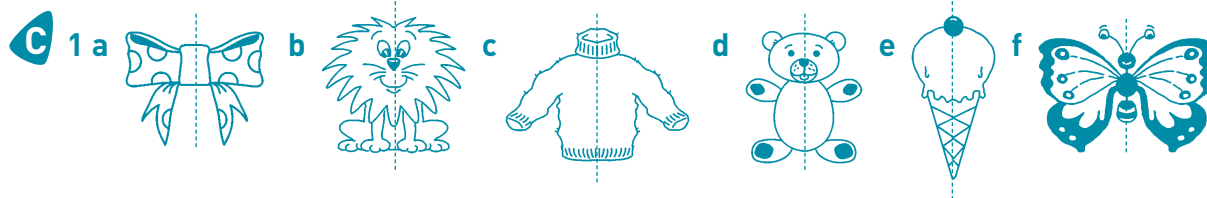
Extra practice section: 1 **a** not circled **b** circled **c** not circled **d** not circled **e** circled
f circled

Unit 6 Page 28

A 1 **a** 2 groups of 3 = 6 **b** 2 groups of 4 = 8 **c** 2 groups of 6 = 12 **d** 2 groups of 5 = 10
e 3 groups of 2 = 6

B 1 a 20 b 25 c 60 d 32 e 50 f 90

Extra practice section: 1 The even numbers (2, 4, 6, 8, 10, ... 46, 48, 50) are circled.



D 1 a top snake coloured b bottom fish coloured c top stick coloured
d top pencil coloured e bottom block coloured f top bar coloured

Extra practice section: 1 Four ovals are coloured.