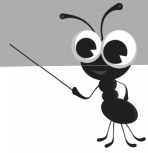# Answers

Answers

Activity Book 1A

Unit 1, Week 1: Number and place value

Lesson 1: What's my number?

1 2 3 **4 5**
6 **7** 8 **9** 10
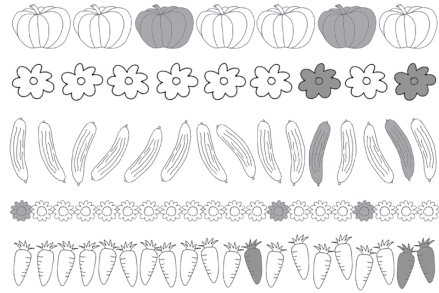11 **12** 13 14 **15**
16 17 18 **19 20**

Lesson 2: Monster numbers

6 7 8
9 10 11
12 13 14
15 16 17
18 19 20

Lesson 3: Counting in the jungle

6 tigers, 10 monkeys, 8 snakes, 11 lizards,
14 birds, 17 butterflies, 15 beetles, 20 spiders

Lesson 4: Garden planting

Unit 1, Week 2: Addition and subtraction

Lesson 1: Apple tree addition

$2 + 1 = 3$ $2 + 2 = 4$
$1 + 3 = 4$ $3 + 2 = 5$

Lesson 2: Adding on stepping stones

$1 + 2 = 3$
$1 + 3 = 4$
$2 + 0 = 2$
$1 + 4 = 5$
$2 + 3 = 5$

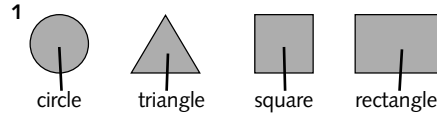**Lesson 3: Take away trees**

$2 - 1 = 1$ $3 - 2 = 1$
$4 - 0 = 4$ $4 - 3 = 1$
$5 - 3 = 2$ $5 - 4 = 1$

Lesson 4: Subtraction stepping stones

$3 - 1 = 2$
$3 - 2 = 1$
$4 - 3 = 1$
$5 - 2 = 3$
$5 - 0 = 5$

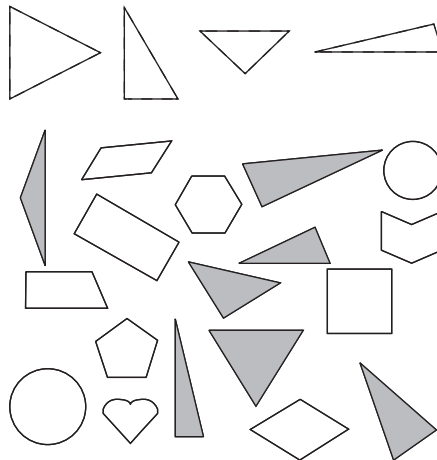### Unit 1, Week 3: Geometry: Properties of shape

Lesson 1: Shape names

1

circle   triangle   square   rectangle

2

	Number of sides	Number of corners
circle	1	0
triangle	3	3
square	4	4
rectangle	4	4

Lesson 2: Robot shapes
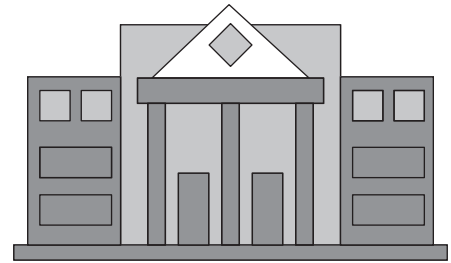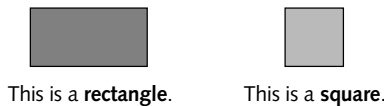
The shapes of the robot should be coloured
as follows:

- squares = green
- circles = purple
- rectangles = yellow
- triangles = blue

Lesson 3: Triangles

There are 7 triangles in the group of shapes.

Lesson 4: Rectangles and squares

This is a **rectangle**.   This is a **square**.

Unit 2, Week 1: Addition and subtraction

Lesson 1: Addition fact cats to 10

$0 + 6 = 6$ $4 + 3 = 7$
$7 + 1 = 8$ $5 + 5 = 10$
$0 + 7 = 7$ $4 + 2 = 6$
$7 + 3 = 10$ $5 + 3 = 8$
$6 + 3 = 9$ $7 + 2 = 9$

Lesson 2: Subtraction cats to 10

$7 - 4 = 3$ $10 - 5 = 5$
$9 - 3 = 6$ $8 - 0 = 8$
$6 - 2 = 4$ $8 - 1 = 7$

$8 - 5 = 3$ $9 - 5 = 4$
$8 - 2 = 6$ $7 - 2 = 5$
$10 - 2 = 8$ $9 - 2 = 7$

Lesson 3: Bubble doubles

1, 1 and 2 in yellow, $1 + 1 = 2$
2, 2 and 4 in green, $2 + 2 = 4$
3, 3 and 6 in red, $3 + 3 = 6$
4, 4 and 8 in orange, $4 + 4 = 8$
5, 5 and 10 in blue, $5 + 5 = 10$

Lesson 4: Cake calculations

$2 + 1 = 3$ and $3 - 2 = 1$
$3 + 1 = 4$ and $4 - 3 = 1$
$2 + 2 = 4$ and $4 - 2 = 2$
$3 + 2 = 5$ and $5 - 3 = 2$
$1 + 4 = 5$ and $5 - 1 = 4$

Unit 2, Week 2: Addition and subtraction

Lesson 1: Flower facts to 10

$5 + 1 = 6$ or $1 + 5 = 6$
$2 + 4 = 6$ or $4 + 2 = 6$
$5 + 2 = 7$ or $2 + 5 = 7$
$7 + 1 = 8$ or $1 + 7 = 8$
$6 + 3 = 9$ or $3 + 6 = 9$
$8 + 2 = 10$ or $2 + 8 = 10$

Lesson 2: Dinosaur difference

$5 - 2 = 3$
$6 - 4 = 2$
$8 - 3 = 5$
$9 - 2 = 7$
$10 - 4 = 6$

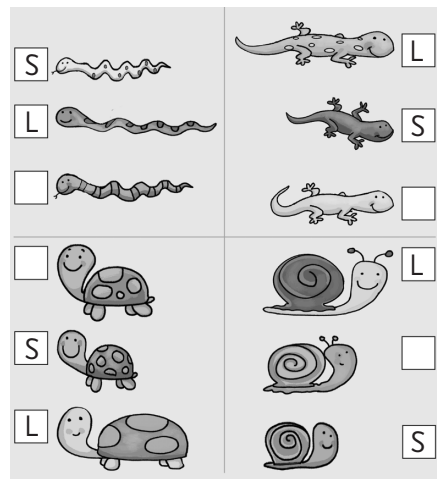**600**

Lesson 3: Plant problems

3 + 1 = 4	3 − 1 = 2
5 + 2 = 7	5 − 0 = 5
2 + 3 = 5	7 − 3 = 4
4 + 4 = 8	9 − 2 = 7
7 + 3 = 10	10 − 4 = 6

Lesson 4: Add or subtract?
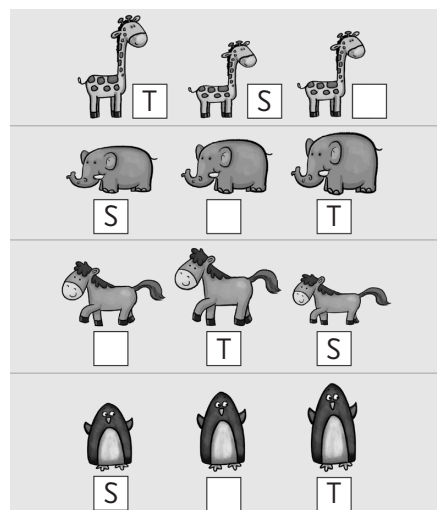
3 + 4 = 7	8 − 4 = 4
7 + 3 = 10	10 − 4 = 6

Unit 2, Week 3: Measurement (lengths and heights)

Lesson 1: Which is longest?

Lesson 2: Which is tallest?

Lesson 3: Measuring with hands and feet

Answers will vary.

Lesson 4: Measuring length, width and height

Snake: 7 cm long
Window: 6 cm tall
Elephant: 8 cm long
Muesli bar: 4 cm long
Hand: 3 cm wide

Unit 3, Week 1: Multiplication and division, incl. Number and place value

Lesson 1: Truck 2s

0 2 **4** 6 **8**
4 **6** 8 **10** 12
12 14 **16** **18** 20
20 18 **16** 14 **12**
10 8 **6** **4** 2

Lesson 2: Fishy 5s

0 1 2 **3**
4 ⑤ **6** **7** 8
9 ⑩ 11 **12**
13 14 ⑮ **16** 17
18 **19** ⑳

Lesson 3: Turtle shell 10s

0 10 20 30 40
30 40 50 60 70
60 70 80 90 100
60 50 40 30 20
40 30 20 10 0

Lesson 4: Number patterns of 2s, 5s and 10s

0 2 4 **6** **8** 10 **12** **14** **16** 18 **20**
0 5 **10** **15** **20**
0 10 20 **30** **40** **50** 60 **70** **80** **90** 100

Unit 3, Week 2: Multiplication and division

Lesson 1: Cars of 2

0 2 4 **6** **8** **10** **12** **14** 16 18 20
1 set of 2 makes 2. 2 people altogether
2 sets of 2 make 4. 4 people altogether
3 sets of 2 make 6. 6 people altogether
4 sets of 2 make 8. 8 people altogether
5 sets of 2 make 10. 10 people altogether

Lesson 2: Apple 5s

0 5 10 15 20 25

1 set of 5 makes 5. There are 5 apples altogether.

2 sets of 5 make 10. There are 10 apples altogether.

3 sets of 5 make 15. There are 15 apples altogether.

4 sets of 5 make 20. There are 20 apples altogether.

5 sets of 5 make 25. There are 25 apples altogether.

Lesson 3: Pen 10s

0 10 20 30 40 50
1 pack of pens makes 10 pens altogether.
2 packs of pens make 20 pens altogether.
3 packs of pens make 30 pens altogether.
4 packs of pens make 40 pens altogether.
5 packs of pens make 50 pens altogether.
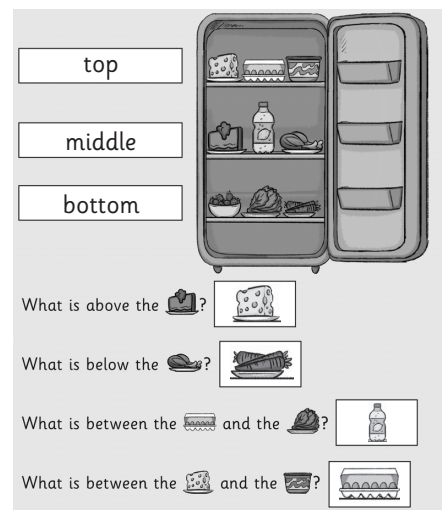
Lesson 4: Sharing strawberries

6 shared between 2 is 3.
10 shared between 2 is 5.
12 shared between 2 is 6.
9 shared between 3 is 3.
12 shared between 4 is 3.
12 shared between 3 is 4.

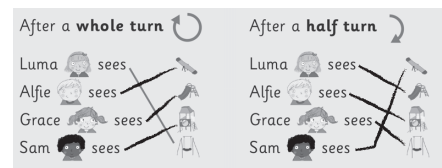## Unit 3, Week 3: Geometry: Position and direction

Lesson 1: Monkey directions

Watermelon: down, right
Bananas: up, left
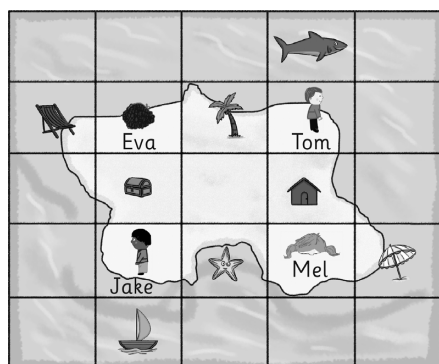Grapes: up, right
Peanuts: down, left

Lesson 2: Where is it?

Lesson 3: Whole and half turns

Lesson 4: Quarter and three-quarter turns

Unit 4, Week 1: Addition and subtraction

Lesson 1: Anchor addition

7 + 4 = 11 (yellow), 8 + 4 = 12 (green),
10 + 3 = 13 (blue)
0 + 13 = 13 (blue), 5 + 5 = 10 (red),
6 + 5 = 11 (yellow)
6 + 6 = 12 (green), 14 + 1 = 15 (purple),
6 + 8 = 14 (orange)
6 + 4 = 10 (red), 9 + 5 = 14 (orange),
11 + 4 = 15 (purple)

Lesson 2: Take away trains

12 – 6 = 6 (yellow), 12 – 4 = 8 (blue),
11 – 3 = 8 (blue)
11 – 5 = 6 (yellow), 13 – 6 = 7 (green),
12 – 5 = 7 (green)
14 – 8 = 6 (yellow), 13 – 3 = 10 (purple),
15 – 10 = 5 (red)
14 – 5 = 9 (orange), 15 – 5 = 10 (purple),
12 – 3 = 9 (orange)

Lesson 3: 15 footballers

Addition:
6 + **3** = 9
7 + **4** = 11
5 + **5** = 10
7 + **5** = 12
6 + **7** = 13
9 + **5** = 14
11 + **4** = 15

Subtraction:
12 – **6** = 6
11 – **4** = 7
12 – **3** = 9
13 – **1** = 12
14 – **3** = 11
15 – **8** = 7
15 – **3** = 12

Lesson 4: Word problems

12 – 3 = 9
12 – 2 = 10
10 + 5 = 15

7 + 5 = 12
15 – 3 = 12
7 + 7 = 14

Unit 4, Week 2: Fractions

Lesson 1: Cut the cakes

Square cakes: 2nd and 4th coloured
Rectangular cakes: 1st and 4th coloured
Triangular cakes: 3rd and 4th coloured
Circular cakes: 2nd and 3rd coloured

Lesson 2: Fruit tree fractions

Half of 2 is **1**.
Half of **6** is **3**.

Half of **4** is **2**.
Half of **8** is **4**.

Lesson 3: Half a scarf

3 cm
4 cm
2 cm
5 cm
6 cm

Lesson 4: How many?

4 halves, **2** whole cookies
8 halves, **4** whole cookies
6 halves, **3** whole cookies
2 halves, **1** whole cookie
10 halves, **5** whole cookies
12 halves, **6** whole cookies

Unit 4, Week 3: Measurement (money)

Lesson 1: Shopping fun

Coins adding up to 10p
Coins adding up to 5p
Coins adding up to 20p
Drawing of two 1p coins

Lesson 2: Finding the same value

Drawing of six 1p coins
Drawing of ten 1p coins
Drawing of four 1p coins
Drawing of two 10p coins
Drawing of five 10p coins

Lesson 3: Value of coins

Coins adding up to 10p
Coins adding up to 20p
Coins adding up to 50p
Coins adding up to £1
Coins adding up to £5

Lesson 4: Solving money problems

9p; 1p change
5p; 5p change
9p; 1p change

10p; 0p change
9p; 1p change

Activity Book 1B

Unit 5, Week 1: Number and place value

Lesson 1: Racing orders

1, 4, 7
7, 10, 14
11, 13, 16
14, 17, 20

Lesson 2: Odd Jobs and Even Stevens

Evens in blue: 4, 8, 12, 16, 18, 20
Odds in red: 3, 7, 11, 15, 17, 19

Lesson 3: Scarf sequences

Red circle, yellow square, red circle,
yellow square

Green rectangle, orange circle, green rectangle,
orange circle

Green circle, green circle, red triangle,
red triangle

Blue triangle, yellow square, blue triangle,
yellow square

Yellow rectangle, yellow rectangle,
purple square, purple square

Lesson 4: Picture patterns

Apples: yellow, red, yellow, yellow

Balloons: yellow, pink, pink, yellow, pink, pink

Flowers: red, red, yellow, yellow

Citrus fruits: green, green, yellow, green, green,
yellow

Kites: blue, red, blue, red

Pencils: yellow, green, green, yellow, green,
green

Unit 5, Week 2: Addition and subtraction

Lesson 1: Pocket money spending

6p – 4p = 2p
7p – 3p = 4p
10p – 5p = 5p

8p – 7p = 1p
9p – 6p = 3p
10p – 7p = 3p

Lesson 2: Fruit stall sales

2p + 3p = 5p
5p + 2p = 7p
4p + 3p = 7p
6p + 2p = 8p
5p + 4p = 9p
4p + 6p = 10p
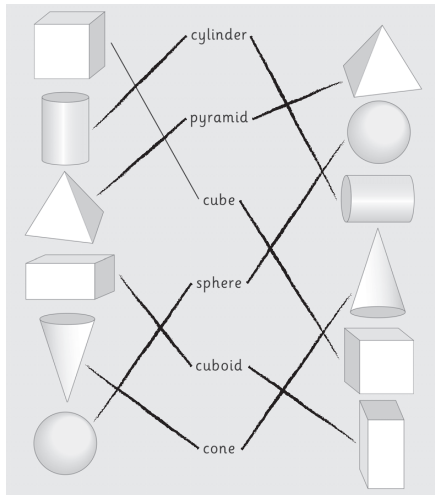
Lesson 3: Pocket money spending

6p + 5p = 11p
8p + 6p = 14p

5p + 7p = 12p
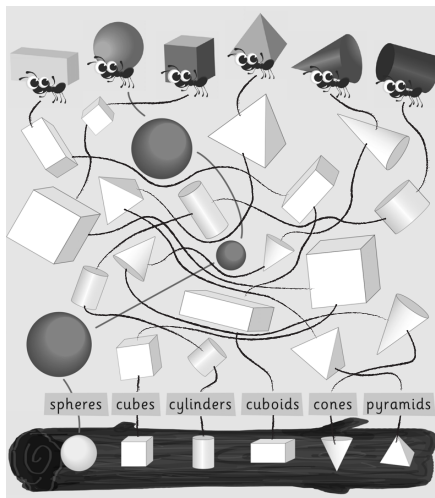10p + 5p = 15p

Lesson 4: Subtraction sweet shop

15p – 7p = 8p   15p – 9p = 6p
15p – 8p = 7p   15p – 10p = 5p
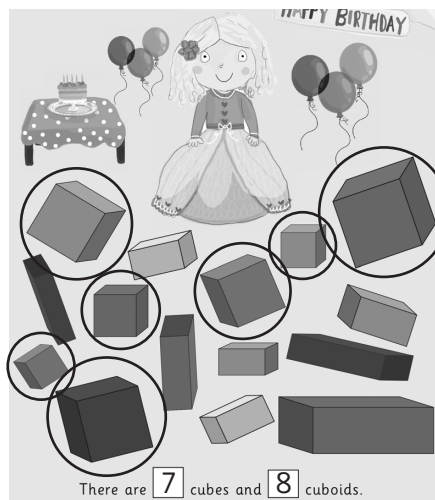
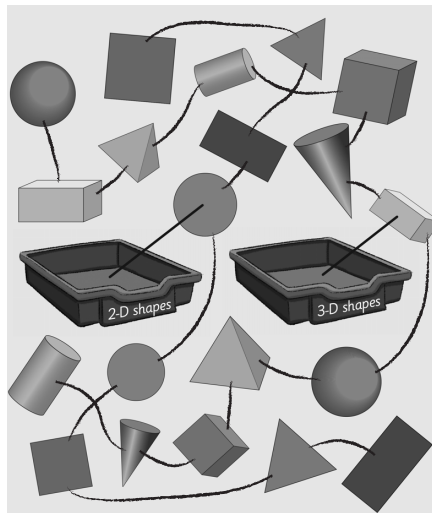## Unit 5, Week 3: Geometry: Properties of shape

Lesson 1: 3-D shape names

Lesson 2: 3-D shapes

Lesson 3: Maisie's presents

There are [7] cubes and [8] cuboids.

Lesson 4: 2-D or 3-D?

Unit 6, Week 1: Multiplication and division, incl. Number and place value

Lesson 1: Toucan 2s

0, 2, **4**, 6, 8
6, 8, **10**, **12**, 14
18, 16, 14, 12, 10
16, 18, **20**, 22, **24**
30, **28**, 26, **24**, 22

Lesson 2: Fearsome 5s!

0, 5, **10**, 15
10, 15, 20, **25**
15, **20**, **25**, 30
25, 30, 35, **40**
35, 40, 45, **50**

Lesson 3: Tenpin 10s

0, 10, **20**, **30**
20, 30, **40**, 50
40, **50**, 60, **70**
60, 70, **80**, 90
70, **80**, **90**, 100

Lesson 4: Rows of roses

20, 25
40, 26
35, 50

Unit 6, Week 2: Multiplication and division

Lesson 1: Lots of bugs

5 sets of 5 make 25 altogether.
3 sets of 10 make 30 altogether.
6 sets of 5 make 30 altogether.
4 sets of 10 make 40 altogether.
8 sets of 2 make 16 altogether.

Lesson 2: Solving supermarket problems

Yee buys 6 pairs. Yee buys 12 gloves altogether.

Jack buys 4 packs. Jack buys 20 oranges altogether.

Handa buys 5 packs. Handa buys 50 stickers altogether.

Answers will vary.

Lesson 3: Sharing snails

10 shared between 2 is 5. 12 shared between 2 is 6.

15 shared between 3 is 5. 16 shared between 4 is 4.

Lesson 4: Sharing shopping

Aaron has bought 12 cakes. They have 3 cakes each.

Sarai has bought 15 strawberries. They have 5 strawberries each.

Amber has bought 14 sweets. They have 7 sweets each.

Ethan has bought 16 bananas. They have 4 bananas each.

Unit 6, Week 3: Measurement (mass)

Lesson 1: Lighter or heavier?

Lighter: pencil, teddy, balloon, feather, chair, flower
Heavier: cat, computer, robot, pot of paint, sofa, brick
Lightest to heaviest: stamp, chair, elephant

Lesson 2: Comparing mass

The brick is **heavier** than the banana.
The feather is **lighter** than the egg.
The football is **heavier** than the balloon.
The apple is **lighter** than the pineapple.

Lesson 3: How many to balance?

Answers will vary.

Lesson 4: Reading scales

Pineapple: 1 kilogram
Book: 2 kilograms
Bowling ball: 7 kilograms
Cat: 5 kilograms
Parcel: 9 kilograms
Melon: 8 kilograms

The heaviest object is the **parcel**.
The lightest object is the **pineapple**.

Unit 7, Week 1: Addition and subtraction

Lesson 1: Scooter route 10s

1 + 8	6 + 3	10 + 0	9 + 1
2 + 6	4 + 5	7 + 3	3 + 4
7 + 1	3 + 2	6 + 4	7 + 2
1 + 9	6 + 1	5 + 5	9 + 0
2 + 8	3 + 7	4 + 6	3 + 5

9 + **1** = 10   1 + **9** = 10
2 + **8** =10   8 + **2** = 10
7 + **3** = 10   3 + **7** = 10
4 + **6** = 10   6 + **4** = 10
5 + **5** = 10   10 + **0** = 10

Lesson 2: Candle calculations

1 + 2 = 1 + 1 + 1 = 3
2 + 3 = 2 + 2 + 1 = 5
3 + 4 = 3 + 3 + 1 = 7
4 + 5 = 4 + 4 + 1 = 9
5 + 6 = 5 + 5 + 1 = 11

Lesson 3: Football facts

6, 1 + 5, 6 − 5 = 1
7, 3 + 4, 7 − 4 = 3
8, 3 + 5, 8 − 5 = 3
9, 7 + 2, 9 − 2 = 7
10, 6 + 4, 10 − 4 = 6

Lesson 4: Subtraction skateboards

6 − 3, 3, 3 + 3 = 6
7 − 5, 2, 2 + 5 = 7
8 − 4, 4, 4 + 4 = 8
9 − 8, 1, 1 + 8 = 9
10 − 5, 5, 5 + 5 = 10

Unit 7, Week 2: Addition and subtraction

Lesson 1: Alien addition

8 + 3 = 11
10 + 2 = 12
7 + 5 = 12
9 + 4 = 13
8 + 6 = 14
11 + 4 = 15

Lesson 2: Snail trail subtraction

11 − 8 = 3
12 − 6 = 6
13 − 10 = 3
14 − 7 = 7
15 − 9 = 6
Answers will vary

Lesson 3: Missing mangoes

11 + 4 = 15   12 − 7 = 5
14 − 6 = 8   3 + 9 = 12
5 + 9 = 14   15 − 8 = 7

Lesson 4: Pirate treasure patterns

9 + 0 = 9   9 − 0 = 9
8 + 1 = 9   9 − 1 = 8
7 + 2 = 9   9 − 2 = 7
6 + 3 = 9   9 − 3 = 6
5 + 4 = 9   9 − 4 = 5
4 + 5 = 9   9 − 5 = 4

10 + 0 = 10   10 − 0 = 10
 9 + 1 = 10   10 − 1 = 9
8 + 2 = 10   10 − 2 = 8
7 + 3 = 10   10 − 3 = 7
6 + 4 = 10   10 − 4 = 6
5 + 5 = 10   10 − 5 = 5

Unit 7, Week 3: Measurement (time)

Lesson 1: Days and months

Sunday, **Monday**, **Tuesday**, Wednesday, **Thursday**, **Friday**, **Saturday**

January, **February**, March, **April**, **May**, June, **July**, **August**, **September**, **October**, November, **December**

Lesson 2: Sequencing events
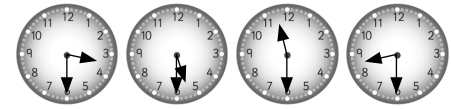

Lesson 3: O'clock

2 o'clock   12 o'clock   5 o'clock

3 o'clock   8 o'clock

Lesson 4: Half past

half past 2   half past 6
half past 10   half past 12
half past 1   half past 7
half past 9   half past 4

Unit 8, Week 1: Number and place value

Lesson 1: Name that number!

1, one   6, six
2, two   7, seven
3, three   8, eight
4, four   9, nine
5, five   10, ten

Lesson 2: Place value races

14   13
12   16
15   19
17   20

Lesson 3: Counting and ordering to 20

Coloured: 11, 19, 7, 13, a number between 5 and 10, a number between 10 and 20

14 bugs   19 leaves
18 slugs   16 bees

Lesson 4: Mars multiples

5: blue spaceship

8: yellow planet

16: yellow planet

20: yellow planet, blue spaceship, green alien

35: blue spaceship

50: yellow planet, blue spaceship, green alien

Answers will vary

Unit 8, Week 2: Fractions

Lesson 1: Pizza portions

1st row: 1st and 4th coloured
2nd row: 1st and 2nd coloured
3rd row: 2nd and 3rd coloured
4th row: one quarter of each pizza coloured

Lesson 2: Quiver quarters

4 arrows. $\frac{1}{4}$ of **4** is **1**.

8 arrows. $\frac{1}{4}$ of **8** is **2**.

12 arrows. $\frac{1}{4}$ of **12** is **3**.

16 arrows. $\frac{1}{4}$ of **16** is **4**.

20 arrows. $\frac{1}{4}$ of **20** is **5**.

Lesson 3: Ribbon quarters

2 cm
1 cm
3 cm
5 cm
4 cm

Lesson 4: How many pies?

4 quarters make **1** whole pie.
8 quarters make **2** whole pies.
12 quarters make **3** whole pies.
16 quarters make **4** whole pies.

Unit 8, Week 3: Measurement – Volume and capacity

Lesson 1: Full or empty?

Full: fruit bowl, milk bottle
Half full: jug, fish bowl
Quarter full: sweet jar
Empty: cup, bin, jar

Lesson 2: Measuring capacities

Answers will vary.
Answers will depend on children's measurements but are likely to be: egg cup, plastic beaker, tea cup

Lesson 3: Which measure?

small spoon, big spoon, cup, jug, bucket

The fish tank holds more than the saucepan.
The teapot holds less than the sink.
The mug holds more than the teacup.

Lesson 4: More, less or the same?

Answers will vary.

Activity Book 1C

Unit 9, Week 1: Number and place value

Lesson 1: Name game

Thirteen: 13
Seventeen: 17
Eleven: 11
Nineteen: 19
Fourteen: 14
Sixteen: 16
Twelve: 12
Eighteen: 18
Fifteen: 15
Twenty: 20

Lesson 2: Plaice value

20 + 7 = 27
30 + 2 = 32
10 + 9 = 19
20 + 6 = 26
20 + 1 = 21
30 + 4 = 34

Lesson 3: Counting sets of more than 20

20 21 22 23 24 25 26 27 28 29 30
21 carrots
23 carrots
24 carrots
26 carrots
28 carrots
29 carrots

Lesson 4: Counting machines

1, 3, 5, **7**, 9, **11**, **13**, 15
6, 11, 16, **21**, **26**, 31, 36, **41**
37, **47**, 57, 67, **77**, **87**, **97**, **107**
19, 17, **15**, **13**, 11, **9**, **7**, **5**
51, 46, **41**, **36**, 31, **26**, 21, **16**
94, 84, **74**, **64**, 54, **44**, **34**, 24

Unit 9, Week 2: Addition and subtraction

Lesson 1: At the double!

1 + 1 = 2 in green
5 + 5 = 10 in orange
2 + 2 = 4 in red
4 + 4 = 8 in blue
3 + 3 = 6 in yellow

9 + 9 = 18 in blue
6 + 6 = 12 in green
10 + 10 = 20 in orange
8 + 8 = 16 in yellow
7 + 7 = 14 in red

Lesson 2: Long ship addition

7 + 8 = 15   7 + 7
4 + 5 = 9   4 + 4
6 + 7 = 13   6 + 6
5 + 6 = 11   5 + 5
8 + 9 = 17   8 + 8

Lesson 3: Bubble doubles

Answers will vary.

Lesson 4: Talented trios

9 + 8 = 17, 8 + 9 = 17 and
17 – 9 = 8, 17 – 8 = 9

13 + 5 = 18, 5 + 13 = 18 and
18 – 5 = 13, 13 – 8 = 5

11 + 8 = 19, 8 + 11 = 19 and
19 – 8 = 11, 19 – 11 = 8

14 + 6 = 20, 6 + 14 = 20 and
20 – 6 = 14, 20 – 14 = 6
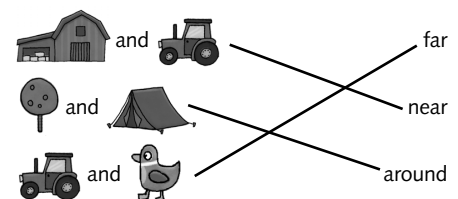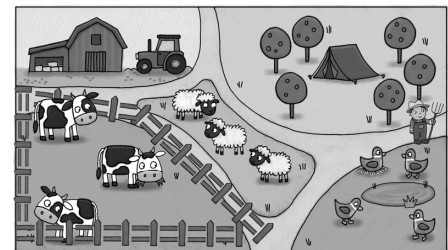
Unit 9, Week 3: Geometry: Position and direction
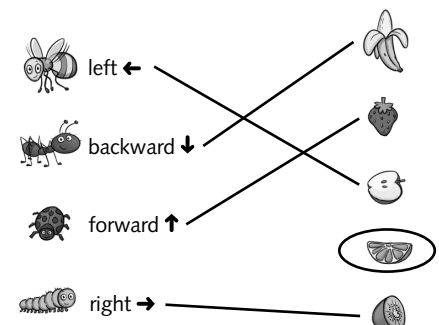
Lesson 1: Where is Toby?

Toby is…

inside the box.   behind the tree.
on top of the hill.   outside the tent.
in front of the wall.   underneath the clock.

**Lesson 2: Where on the farm?**

1 Children should have drawn the following things:

Lesson 3: Hungry insects

2

 left ← backward ↓

 right → backward ↓

 left ← forward ↑

 right → forward ↑

Lesson 4: View from a hill

sees 🔴🟢	turns	sees 🔴🟢
🏪	quarter	🛶
🛶	half	🛶
🛶	three-quarter	🏪
🛶	whole	🛶
🐑	half	🏪
🛶	quarter	🐑

Unit 10, Week 1: Multiplication and division, incl. Number and place value

Lesson 1: Kangaroo 2s

0, 2, **4**, **6**, 8
10, 8, **6**, 4, **2**
10, **12**, 14, **16**, **18**
20, 18, **16**, **14**, **12**
22, **24**, 26, **28**, 30
28, 26, **24**, **22**, **20**

Lesson 2: Count sets of 2

4 lots of 2 make 8 altogether.
9 lots of 2 make 18 altogether.
5 lots of 2 make 10 altogether.
8 lots of 2 make 16 altogether.
6 lots of 2 make 12 altogether.
10 lots of 2 make 20 altogether.

Lesson 3: Quilt counting

0, 5, **10**, **15**, 20
45, 40, **35**, 30, **25**
30, **35**, 40, **45**, 50
0, 10, **20**, 30, **40**
70, 60, **50**, **40**, 30
60, **70**, **80**, **90**, 100

Lesson 4: Apple arrays

Unit 10, Week 2: Multiplication and division

Lesson 1: Sweet shop sets

9 packets have 18 sweets altogether.
6 packets have 30 sweets altogether.
5 packets have 50 sweets altogether.
12 packets have 24 sweets altogether.
9 packets have 45 sweets altogether.

Lesson 2: Solving shopping problems

16 socks altogether
30 pens altogether
70 sweets altogether
18 coins altogether
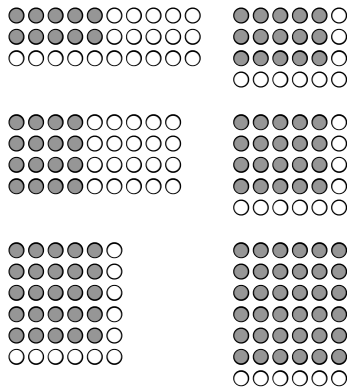35 books altogether
90 stickers altogether

Lesson 3: Cookie shares

10 shared between 2 is 5.
14 shared between 2 is 7.
15 shared between 3 is 5.
12 shared between 3 is 4.

Lesson 4: Fair shares

12 toffee apples shared between 4 – 3 each.

14 children sitting in 7 dodgems – 2 in each.

14 tickets shared between 7 children – 2 each.

15 children sitting in 5 Cups and Saucers – 3 in each.

18 candyflosses shared between 6 children – 3 each.

20p shared between 4 tickets – 5p each ticket.

Unit 10, Week 3: Measurement

Lesson 1: The ruler and the metre rule

Answers will vary.

Lesson 2: Estimating and measuring

Answers will vary.

Lesson 3: How many bricks?

5 blocks	6 blocks
10 blocks	4 blocks
6 blocks	8 blocks

Lesson 4: Shapes that balance
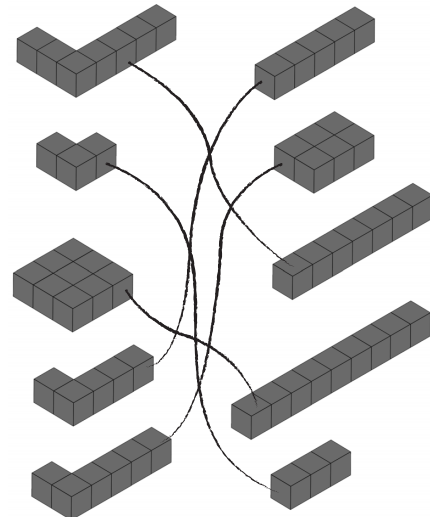
Unit 11, Week 1: Addition and subtraction

Lesson 1: Monkey mix-up

11 + 3 = 14	15 – 7 = 8
12 – 2 = 10	9 + 8 = 17
14 + 1 = 15	18 – 9 = 9
13 – 0 = 13	11 + 5 = 16
12 + 4 = 16	20 – 13 = 7
14 – 3 = 11	7 + 11 = 18
16 + 4 = 20	19 – 0 =19

Lesson 2: Train patterns

10 + 5 = **15**	11 + **4** = 15	**12** + 3 = 15
16 – 6 = **10**	16 – **7** = 9	16 – 8 = **8**
9 + 8 = **17**	10 + **7** = 17	11 + **6** = 17
19 – 7 = **12**	19 – 8 = **11**	19 – **9** = 10
17 + 3 = **20**	16 + **4** = 20	**15** + 5 = 20

Lesson 3: Fairground problems

9 + 7 = 16	18 – 4 = 14
20 – 2 = 18	12 + 8 = 20

Lesson 4: Add and takeaway menu

Hattie spends: 8 + 7 = 15p
Her change is: 20 – 15 = 5p

Yuko spends: 12 + 4 = 16p
Her change is: 20 – 16 = 4p

Caie spends: 10 + 9 = 19p
His change is: 20 – 19 = 1p

Cavan spends: 11 + 7 = 18p
His change is: 20 – 18 = 2p

Unit 11, Week 2: Addition and subtraction

Lesson 1: Yoyo spending

11p + 5p = 16p
6p + 14p = 20p
11p + 6p = 17p
19 – 9 = 10p
18 – 11 = 7p
20 – 13 = 7p

Lesson 2: Penny Lane

Thea: 18p – **10p =** 8p: ball (although some children may combine two items, e.g. apple and car, then subtract their total)

Ethan: **11p** + **3p** = **14p**: book and balloon/ball and apple

Max: **20p** – **5p** = **15p**: dinosaur (or two-step solution, sweet and balloon and subtract the total)

Ruby: **11p** + **5p** = **17p**: book and car/ball and pencil

Lesson 3: Pyramid puzzles

9 + 8 = 17   12 + 6 = 18
8 + 9 = 17   6 + 12 = 18
17 – 9 = 8   18 – 6 = 12
17 – 8 = 9   18 – 12 = 6

9 + 10 = 19   13 + 7 = 20
10 + 9 = 19   7 + 13 = 20
19 – 9 = 10   20 – 7 = 13
19 – 10 = 9   20 – 13 = 7

Lesson 4: Add on 10, take off 10

3 + 10 = 13   18 – 10 = 8
20 + 10 + 30   11 – 10 = 1
26 + 10 = 36   33 – 10 = 23
31 + 10 = 41   47 – 10 = 37
39 + 10 = 49   50 – 10 = 40

Unit 11, Week 3: Geometry: Properties of shape

Lesson 1: 2-D shape patterns

yellow triangle, purple square, yellow triangle, purple square, yellow triangle, purple square, yellow triangle, purple square

blue rectangle, red circle, blue rectangle, red circle, blue rectangle, red circle, blue rectangle, red circle

green square, orange circle, pink triangle, green square, orange circle, pink triangle, green square, orange circle, pink triangle

yellow rectangle, red triangle, red triangle, yellow rectangle, red triangle, red triangle, yellow rectangle, red triangle, red triangle

Answers will vary.

Lesson 2: Name that 2-D shape

circle   rectangle
rectangle   square
circle   triangle

Lesson 3: 3-D shape patterns and models

Lines 1, 2, 4, 5, 7 are coloured, lines 3, 6 are left uncoloured.

Lesson 4: Name that 3-D shape

cylinder   cuboid
pyramid   cone
sphere   cube

Unit 12, Week 1: Multiplication and division

Lesson 1: Pirate hat doubles

Double 7 is 14.
Double 4 is 8.
Double 8 is 16.
Double 5 is 10.
Double 10 is 20.
Double 9 is 18.

Lesson 2: Pirate halves

4 pirates in each boat – half of 8 is 4.
7 pirates in each boat – half of 14 is 7.
6 pirates in each boat – half of 12 is 6.
8 pirates in each boat – half of 16 is 8.
10 pirates in each boat – half of 20 is 10.

Lesson 3: Treasure troves

3 jewels in each bag – one quarter of 12 is 3.
4 jewels in each bag – one quarter of 16 is 4.
5 jewels in each bag – one quarter of 20 is 5.
6 jewels in each bag – one quarter of 24 is 6.
7 jewels in each bag – one quarter of 28 is 7.

Lesson 4: Doubles, halves and quarters

Caie spends 14p – double 7 is 14.

Ayesha has 16 charms – 8 is half of 16.

Amber had 6 sweets – 12 is double 6.

Cavan gave 4 biscuits to each friend – one quarter of 16 is 4.

Patrick gave 10 cars to Lee – 10 is half of 20.

Ciara gave Isaac 5 stickers – 5 is a quarter of 20.

Unit 12, Week 2: Fractions

Lesson 1: Cake quarters and halves

Answers will vary.

Lesson 2: Halves and quarters questions

$\frac{1}{2}$ of 16 is 8. $\frac{1}{2}$ of 18 is 9.
$\frac{1}{4}$ of 12 is 3. $\frac{1}{2}$ of 22 is 11.
$\frac{1}{4}$ of 16 is 4. $\frac{1}{4}$ of 20 is 5.

Lesson 3: Flying carpet fractions

Four parts coloured in top section to show half.

Two parts coloured in second section to show quarters.

Both depend on how children choose to arrange them.

Lesson 4: Party fractions

Half of 8 is 4. One quarter of 8 is 2.
Half of 12 is 6. One quarter of 12 is 3.
Half of 16 is 8. One quarter of 16 is 4.
Half of 20 is 10. One quarter of 20 is 5.

Unit 12, Week 3: Measurement (time)

Lesson 1: What time is it?

7 o'clock; half past 7; $\frac{1}{2}$ hour later

12 o'clock; 1 o'clock; 1 hour later

4 o'clock; 3 o'clock; 1 hour earlier

half past 7; 7 o'clock; $\frac{1}{2}$ hour earlier

Lesson 2: Drawing hands

clock showing 7 o'clock;
clock showing 9 o'clock

clock showing half past 6;
clock showing half past 8

clock showing 10 o'clock;
clock showing 12 o'clock

clock showing half past 4;
clock showing half past 6

clock showing 8 o'clock;
clock showing 10 o'clock

Lesson 3: What can I do in 1 minute and 1 hour?

Things that last 1 hour: dinnertime, PE lesson, a lesson in class, a boat journey

Things that last 1 minute: taking the register, a 1-minute sand timer, drinking a small drink, skipping

Lesson 4: Journey times

2 hours
1 hour
3 hours
4 hours

Progress Guide 1

Unit 1, Week 1: Number and place value

Lesson 1, Support: Missing numbers

0 1 **2 3** 4
1 **2** 3 4 5 **6**
3 **4 5** 6 7
5 6 **7 8** 9 **10**
6 7 8 **9 10**

Lesson 2, Extension: 1 more, 1 less

3 4 6 7 8 10 13 14 16 18 19
10   7
12   9
15   12
16   14
18   16
20   18

Lesson 3, Support: Counting cupcakes

11   15
13   16
20   14
18   17

Lesson 4, Extension: Number race

9 10 11 12 12 13 14 15 16 17 18 19
1st is number 12.
2nd is number 14.
3rd is number 17.

Unit 1, Week 2: Addition and subtraction

Lesson 1, Support: How many hens?

$1 + 1 = 2$ $2 + 1 = 3$
$2 + 2 = 4$ $3 + 2 = 5$

Lesson 2, Extension: Kangaroo addition

$2 + 2 = 4$
$2 + 3 = 5$
$3 + 1 = 4$
$3 + 2 = 5$
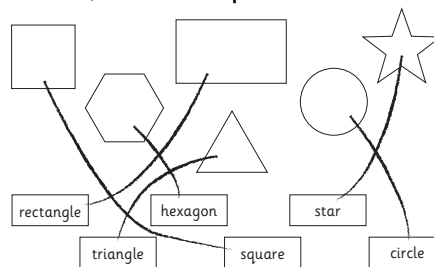$4 + 2 = 6$

Lesson 3, Support: Cakes away!

$3 - 2 = 1$
$3 - 3 = 0$
$4 - 2 = 2$
$4 - 1 = 3$
$5 - 0 = 5$
$5 - 1 = 4$

Lesson 4, Extension: Jumping back

$5 - 3 = 2$
$5 - 4 = 1$
$6 - 3 = 3$
$6 - 4 = 2$
$6 - 2 = 4$

Unit 1, Week 3: Geometry: Properties of shape
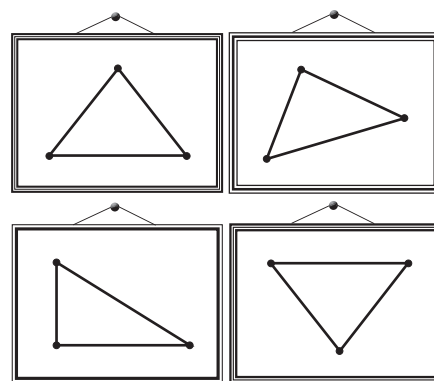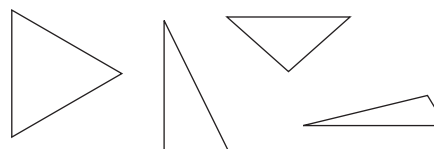
Lesson 1, Extension: Shape names

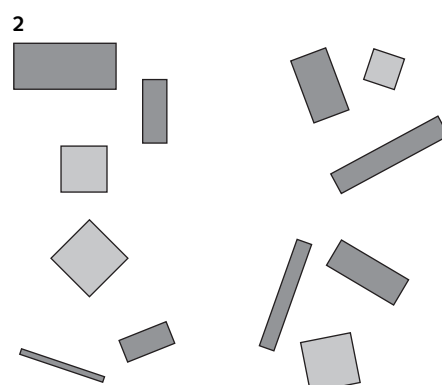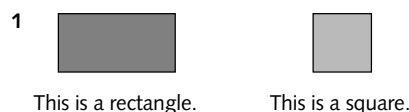|	Number of sides	Number of corners
circle	1	0
triangle	3	3
rectangle	4	4
square	4	4
hexagon	6	6
star	10	10

Lesson 2, Extension: Face shapes

The shape names should be circled in the same colour as the corresponding shapes are coloured.

Lesson 3, Support: Triangles

Lesson 4, Support: Rectangle or square?

1

This is a rectangle.   This is a square.

2

Unit 2, Week 1: Addition and subtraction

Lesson 1, Support: Adding to 5

$3 + 1 = 4$ $1 + 4 = 5$
$0 + 2 = 2$ $0 + 3 = 3$
$2 + 1 = 3$ $2 + 0 = 2$
$0 + 5 = 5$ $2 + 3 = 5$
$1 + 0 = 1$ $0 + 3 = 3$

$4 + 0 = 4$ $3 + 2 = 5$
$1 + 2 = 3$ $5 + 0 = 5$
$0 + 4 = 4$ $0 + 1 = 1$
$2 + 2 = 4$ $1 + 3 = 4$
$4 + 1 = 5$ $2 + 3 = 5$

Lesson 2, Extension: Dice subtraction

Answers will vary depending on numbers rolled on dice.

Lesson 3, Support: Twins totals

$1 + 1 = 2$
$2 + 2 = 4$
$3 + 3 = 6$
$4 + 4 = 8$
$5 + 5 = 10$

Lesson 4, Extension: Baking away

$4 - 1 = 3$ and $1 + 3 = 4$
$5 - 3 = 2$ and $3 + 2 = 5$
$2 - 0 = 2$ and $2 + 0 = 2$
$6 - 3 = 3$ and $3 + 3 = 6$
$7 - 7 = 0$ and $7 + 0 = 7$

Unit 2, Week 2: Addition and subtraction

Lesson 1, Extension: Skateboard number tracks

$3 + 4 = 7$ $4 + 3 = 7$
$2 + 4 = 6$ $4 + 2 = 6$
$3 + 5 = 8$ $5 + 3 = 8$
$2 + 7 = 9$ $7 + 2 = 9$

Lesson 2, Support: Bees and flowers

The difference between 6 and 2 is 4.
The difference between 8 and 3 is 5.
The difference between 8 and 1 is 7.
The difference between 9 and 2 is 7.
The difference between 10 and 5 is 5.

Lesson 3, Extension: Sandcastle subtraction and addition

3 + 2 = 5	6 – 5 = 1
6 + 3 = 9	7 – 2 = 5
4 + 4 = 8	8 – 0 = 8
3 + 7 = 10	9 – 6 = 3
5 + 5 = 10	10 – 6 = 4

Lesson 4, Support: How many?

3 + 4 = 7	8 – 5 = 3
9 – 4 = 5	5 + 5 = 10

Unit 2, Week 3: Measurement (lengths and heights)

Lesson 1, Extension: Which is longest?

Lesson 2, Support: Which is tallest?

Lesson 3, Support: Measuring with hands

Answers will vary.

Lesson 4, Extension: Measuring length, width and height

Lines: 3 cm, 7 cm, 6 cm, 11 cm
Objects: answers will vary.

Unit 3, Week 1: Multiplication and division, incl. Number and place value

Lesson 1, Extension: Scarf patterns

0 2 4 **6 8 10**
10 8 **6 4 2** 0
10 **12** 14 **16 18 20**
20 **18 16 14 12** 10 8
0 **2   4** 6 8 **10 12 14 16 18** 20

Lesson 2, Support: Flower garden 5s
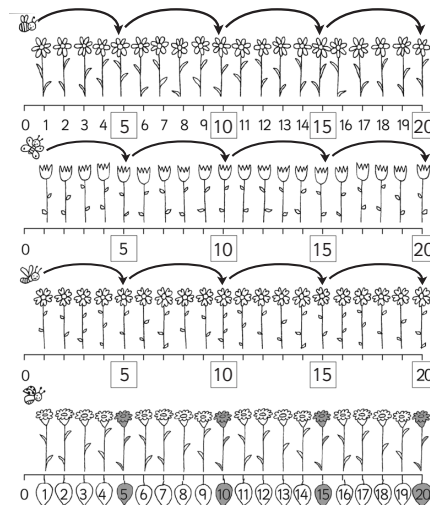
Lesson 3, Support: Table tennis 10s

0 10 **20** 30 **40**
10 20 **30** 40 **50**
50 **60** 70 **80** 90
60 **70** 80 **90** 100

Lesson 4, Extension: Pathway patterns
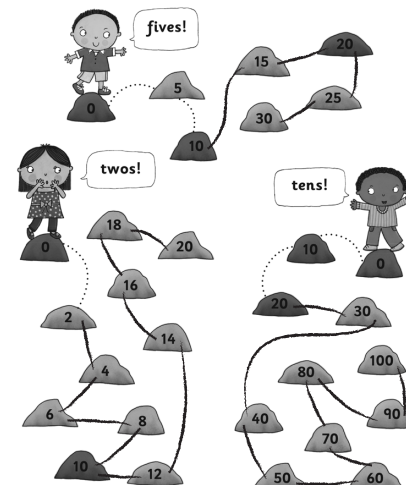
Unit 3, Week 2: Multiplication and division

Lesson 1, Support: How many socks?

1 pair has 2 socks.
2 pairs have 4 socks.
3 pairs have 6 socks.
4 pairs have 8 socks.
5 pairs have 10 socks.

Lesson 2, Extension: Sticker sets

Leon has 15 stickers.
Mia has 10 stickers.
Caie has 5 stickers.
Ayesha has 25 stickers.
Emma has 20 stickers.
Cavan has 30 stickers.

Lesson 3, Support: Toffee 10s

1 bag of sweets makes 10 sweets altogether.
2 bags of sweets make 20 sweets altogether.
3 bags of sweets make 30 sweets altogether.
4 bags of sweets make 40 sweets altogether.
5 bags of sweets make 50 sweets altogether.

Lesson 4, Extension: Sheep sharing

5 sheep in each group.
4 sheep in each group.
5 sheep in each group.
4 sheep in each group.

Unit 3, Week 3: Geometry: Position and direction

Lesson 1, Support: Beach directions
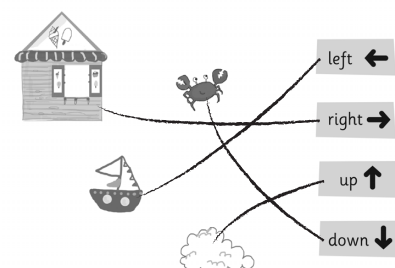
Lesson 2, Support: Where is it?

top

middle

bottom

What is below the 🍌 ?

What is above the 🍌 ?

What is between the 🍎 and the 🍌 ?
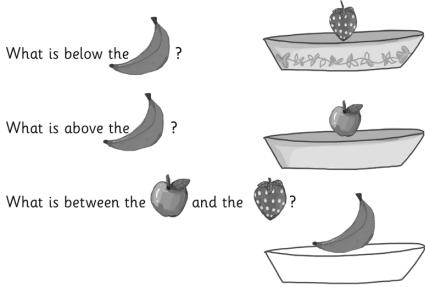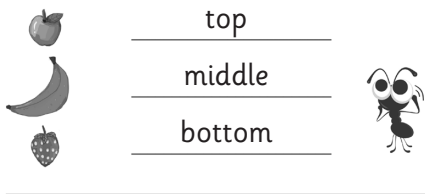
Lesson 3, Extension: Whole and half turns
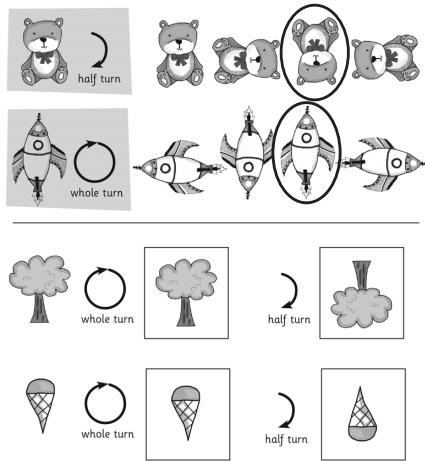
Lesson 4, Extension: Quarter and three-quarter turns

Fish: quarter turn
Spoon: three-quarter turn
Mug: three-quarter turn
Tomato: quarter turn
Triangle: three-quarter turn
Letter 'e': quarter turn

Unit 4, Week 1: Addition and subtraction

Lesson 1, Support: How many monkeys?

$7 + 3 = 10$ $6 + 5 = 11$
$7 + 5 = 12$ $8 + 4 = 12$
$3 + 10 = 13$ $5 + 9 = 14$

Lesson 2, Extension: Spider subtraction

Answers will vary.

Lesson 3, Support: Missing number muddle

Addition: $6 + 4 = 10$, $4 + 7 = 11$, $7 + 3 = 10$,
$8 + 4 = 12$, $9 + 5 = 14$

Subtraction: $10 - 2 = 8$, $11 - 1 = 10$, $10 - 8 = 2$,
$12 - 6 = 6$, $13 - 5 = 8$

Lesson 4, Extension: How many are there?

$14 - 5 = 9$
$8 + 5 = 13$
$15 - 4 = 11$
$10 + 4 = 14$

Answers will vary.

Unit 4, Week 2: Fractions

Lesson 1, Extension: Fruit fractions

1st row: 2nd fruit labelled
2nd row: 3rd fruit labelled
3rd row: 2nd fruit labelled
4th row: 1st fruit labelled

Lesson 2, Support: Honeybee halves

Half of 2 is **1**.
Half of 4 is **2**.
Half of 6 is **3**.
Half of 8 is **4**.
Half of 10 is **5**.
Half of 12 is **6**.

Lesson 3, Support: Cube tower halves

Half of the cubes in each tower coloured:
2, 3, 4, 5 and 6 cubes.

Lesson 4, Extension: Half measures

8 cm long
4 whole sandwiches
10 jars
12 cm tall

Unit 4, Week 3: Measurement (money)

Lesson 1, Extension: Going shopping

Coins adding up to 10p
Coins adding up to 20p
Coins adding up to 10p
Coins adding up to 15p

Lesson 2, Support: Same amounts

Drawing of two 1p coins
Drawing of five 1p coins
Drawing of ten 1p coins
Drawing of four 1p coins
Drawing of seven 1p coins

Lesson 3, Extension: Coins and notes

Drawing of two 10p coins
Drawing of five 10p coins
Drawing of ten 10p coins
Drawing of twelve 10p coins
Drawing of five £1 coins

Lesson 4, Support: Money problems

7p + 3p = 10p; coins to value of 10p circled
6p + 5p = 11p; coins to value of 11p circled
2p + 3p = 5p; coins to value of 5p circled
8p + 4p = 12p; coins to value of 12p circled

Unit 5, Week 1: Number and place value

Lesson 1, Extension: Ordering owls

1, 3, 5   4, 6 or 7, 10
3, 6 or 7, 12   10, 12, 14
13, 15, 16   15, 18, 20

Lesson 2, Support: Odds and evens gardens

Odds garden: 1, 3, 5, 7, 9
Evens garden: 2, 4, 6, 8, 10

Lesson 3, Support: Wallpaper patterns
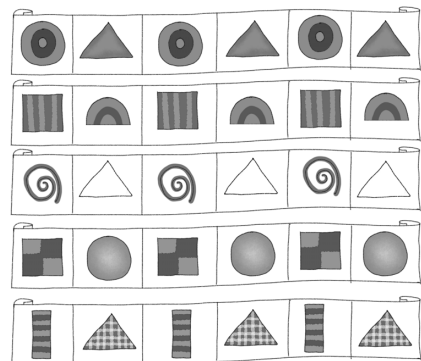
Lesson 4, Extension: Pathway patterns
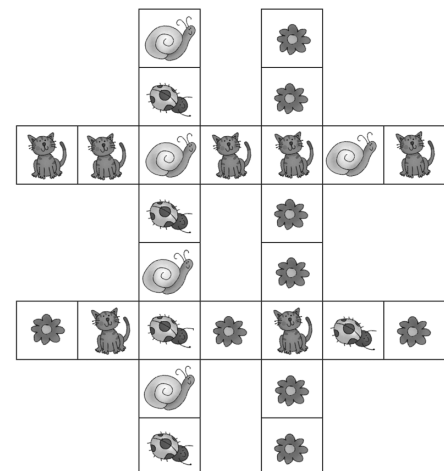
Unit 5, Week 2: Addition and subtraction

Lesson 1, Support: Coin collections

5p	6p
7p	7p
8p	10p
10p	9p

Lesson 2, Extension: Making money

2p, 2p, 1p
5p, 2p
2p, 2p, 2p
2p, 2p, 2p, 2p, 2p or 5p, 2p, 1p, 1p, 1p
5p

Lesson 3, Extension: What can I buy?

Pairs of items totalling 15p: notebook and cake; stickers and rubber; pen and lollipop; apple and pencil.

Lesson 4, Support: How much left?

15p – 6p = 9p
15p – 7p = 8p
15p – 8p = 7p
15p – 9p = 6p

Unit 5, Week 3: Geometry: Properties of shape

Lesson 1, Extension: Who has which shape?

Dexter: red sphere
Madison: green pyramid
Ying: yellow cuboid

Naisha: purple cone
Sam: orange cube
Rosie: blue cylinder

Lesson 1, Support: 3-D shape models

Photographs of models with the correct labels.

Lesson 2, Extension: 3-D shapes and 2-D shapes
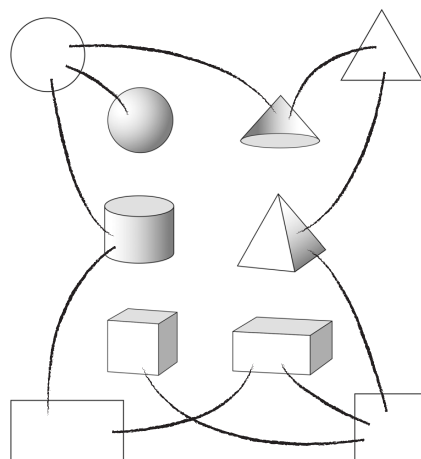
Lesson 4, Support: 2-D and 3-D shapes
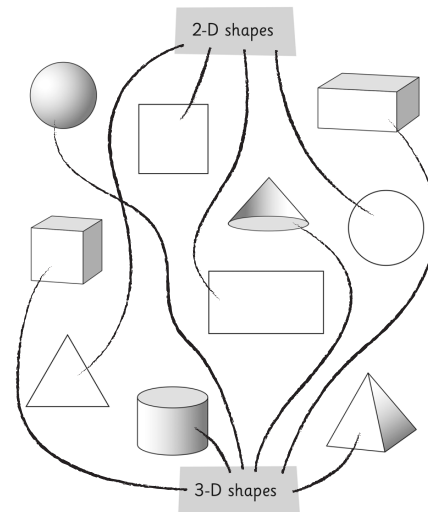
Unit 6, Week 1: Multiplication and division, incl. Number and place value

Lesson 1, Support: Bug trail 2s

0, 2, **4**, 6, 8
6, 8, 10, 12, **14**
10, **12**, 14, 16, **18**
16, 18, **20**, 22, 24
22, 24, 26, **28**, 30

Lesson 2, Extension: Patterns of 5s

Rockets completed to show sequence of fives:
0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50
15, 20, **25**, **30**, 35
5, **10**, 15, **20**, 25
30, **35**, 40, **45**, 50

Lesson 3, Extension: Tomato ketchup 10s

Bottles arranged in sequence of tens: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100
20, **30**, **40**, 50
40, 50, **60**, **70**
70, **80**, 90, **100**

Lesson 4, Support: All at sea

14	18
20	25
30	50

Unit 6, Week 2: Multiplication and division

Lesson 1, Support: How many bugs?

10	12
15	25
30	50

Lesson 2, Extension: Shopping problems

2 socks in a pair, 8 pairs, 16 socks altogether
5 pens in a pack, 6 packs, 30 pens altogether
10 biscuits in a packet, 7 packets, 70 biscuits altogether

Answers will vary.

Lesson 3, Support: Sharing spots

4 spots on each bug	6 spots on each bug
5 spots on each bug	7 spots on each bug
3 spots on each bug	4 spots on each bug

Lesson 4, Extension: Share with friends

14 shared between 2 is 7 each.
15 shared between 3 is 5 each.
20 shared between 2 is 10 each.
10 shared between 5 is 2 each.

Unit 6, Week 3: Measurement (mass)

Lesson 1, Extension: Lightest to heaviest

washing machine (3), chair (2), balloon (1)

feather (1), coat (2), table (3)

wellington (2), ballet shoe (1), boot (3)

book (2), computer (3), pencil (1)

elephant (3), rabbit (1), lion (2)

spade (3), flowerpot (2), leaf (1)

bicycle (2), cruise ship (5), car (3), skateboard (1), coach (4)

Lesson 2, Extension: Comparing mass

heavier	lighter
lighter	heavier
heavier	lighter
equal	equal

For final two images: any reasonable answer.

Lesson 3, Support: How many to balance?

Answers will vary.

Lesson 4: Reading scales

Pineapple: 1 kilogram	Cat: 5 kilograms
Melon: 8 kilograms	Book: 4 kilograms

The heaviest object is the **melon**.
The lightest object is the **pineapple**.

Unit 7, Week 1: Addition and subtraction

Lesson 1, Support: Storeys of 10

Numbers of faces total 10 in each pair of windows.

Lesson 2, Extension: Pencil pot problems

5 + 6, 5 + 5 + 1, 10 + 1, 5 + 6 = **11**
5 + 8, 5 + **5** + **3**, 10 + **3**, 5 + **8 = 13**
5 + 7, **5 + 5 + 2, 10 + 2, 5 + 7 = 12**
5 + 9, **5 + 5 + 4, 10 + 4, 5 + 9 = 14**

Lesson 3, Extension: Calculation rescue

6, 4 + 2, 6 − 2 = 4
7, 5 + 2, 7 − 2 = 5
8, 7 + 1, 8 − 1 = 7
9, 9 + 0, 9 − 0 = 9
10, 6 + 4, 10 − 4 = 6

Lesson 4, Support: Bead addition and subtraction

2 + 3 = 5	5 − 3 = 2
2 + 4 = 6	6 − 4 = 2
4 + 1 = 5	5 − 1 = 4
2 + 5 = 7	7 − 5 = 2
3 + 4 = 7	7 − 4 = 3
6 + 2 = 8	8 − 2 = 6

Unit 7, Week 2: Addition and subtraction

Lesson 1, Support: Apple basket addition

7 + 4 = 11
9 + 3 = 12
7 + 6 = 13
10 + 4 = 14
9 + 6 = 15

Lesson 2, Extension: Sea subtraction

10 − 7 = 3	11 − 5 = 6
12 − 4 = 8	13 − 6 = 7
14 − 8 = 6	15 − 4 = 11

Lesson 3, Support: Picnic problems

8 + 4 = 12	13 − 5 = 8
9 + 4 = 13	14 − 5 = 9
10 + 5 = 15	15 − 4 = 11

Lesson 4, Extension: Flag facts

10 + 0 = 10	10 − 0 = 10
9 + 1 = 10	10 − 1 = 9
8 + 2 = 10	10 − 2 = 8
7 + 3 = 10	10 − 3 = 7
11 + 0 = 11	11 − 0 = 11
10 + 1 = 11	11 − 1 = 10
9 + 2 = 11	11 − 2 = 9
8 + 3 = 11	11 − 3 = 8

Unit 7, Week 3: Measurement (time)

Lesson 1, Extension: Days and months

Sunday
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday

March **comes after** February
January **comes before** December
November **comes before** December
August **comes before** September and **comes after** July
October **comes before** November and **comes after** September

Lesson 2, Support: Sequencing seasons

Sequence: winter, spring, summer, autumn

Pictures: appropriate seasonal scenes

Lesson 3, Extension: Telling the time

10 o'clock   12 o'clock   1 o'clock
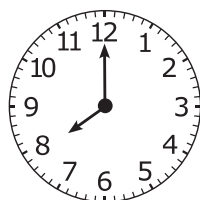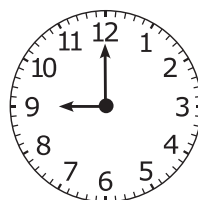
8 o'clock   1 hour later
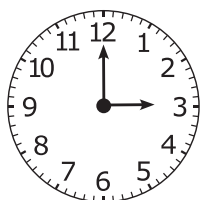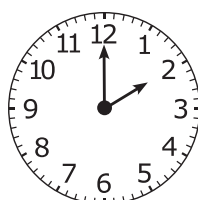
3 o'clock   1 hour earlier

Lesson 4, Support: More time

6 o'clock   7 o'clock   3 o'clock

2 o'clock   4 o'clock   8 o'clock

half past 2   half past 4   half past 8
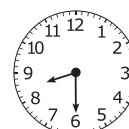
Unit 8, Week 1: Number and place value

Lesson 1, Support: Number names to 10

1 = one	6 = six
2 = two	7 = seven
3 = three	8 = eight
4 = four	9 = nine
5 = five	10 = ten

Lesson 2, Extension: Bowling scores

14 is the same as 1 ten and 4 ones
12 is the same as 1 ten and 2 ones
19 is the same as 1 ten and 9 ones
20 is the same as 2 tens and 0 ones
22 is the same as 2 tens and 2 ones
25 is the same as 2 tens and 5 ones

Lesson 3, Support: Supermarket counting

There are 14 tomatoes.	There are 16 packets
There are 12 chillies.	There are 15 tins.
There are 15 bottles.	There are 19 mangoes.
There are 19 carrots.	There are 20 onions.

Lesson 4, Extension: Multiples mix-up

2 = 10, 14, 22, 50, 70, 100
5 = 10, 35, 45, 50, 70, 100
10 = 10, 50, 70, 100
2, 5 and 10 = 10, 50, 70, 100

Unit 8, Week 2: Fractions

Lesson 1, Support: Quick quarters

1st row: 3rd and 5th circled
2nd row: 1st and 4th circled
3rd row: 2nd and 5th circled
4th row: one quarter of each shape coloured

Lesson 2, Extension: Quarter questions

2 pencils coloured; $\frac{1}{4}$ of **8** is **2**.

3 balloons coloured; $\frac{1}{4}$ of **12** is **3**.

4 butterflies coloured; $\frac{1}{4}$ of **16** is **4**.

5 apples coloured; $\frac{1}{4}$ of **20** is **5**.

1 child coloured; $\frac{1}{4}$ of **4** is **1**.

6 leaves coloured; $\frac{1}{4}$ of **24** is **6**.

7 sweets coloured; $\frac{1}{4}$ of **28** is **7**.

5 strawberries coloured; $\frac{1}{4}$ of **20** is **5**.

Lesson 3, Support: Cube tower quarters

One quarter of the cubes in each tower coloured: 1, 2, 3, 4 and 5 cubes.

Lesson 4, Extension: Picnic quarters

4 pizzas altogether	12 packets altogether
20 cartons altogether	6 cakes altogether

Unit 8, Week 3: Measurement – Volume and capacity

Lesson 1, Support: Full or empty?

Full: jug, sweet jar, milk bottle, fish bowl

Empty: fruit bowl, cup, bin, jar

Lesson 2, Extension: Comparing capacities

Spoon, bigger spoon, cup, jug, bucket

Bucket	cup
Cup	cup
Bucket	bucket
Bucket	cup

Lesson 3, Support: More than

fish bowl	biscuit tin
bath	cup
bucket	ice-cream box

Lesson 4, Extension: More, less or the same?

Answers will vary.

Unit 9, Week 1: Number and place value

Lesson 1, Support: Number names to 20

11 = eleven	15 = fifteen	19 = nineteen
12 = twelve	16 = sixteen	20 = twenty
13 = thirteen	17 = seventeen	
14 = fourteen	18 = eighteen	

Lesson 2, Extension: 10s and 1s tents

Stripes: 20 and 7 = 27
Stars: 10 and 9 = 19
Spots: 20 and 3 = 23
Plain: 30 and 7 = 37

Lesson 3, Extension: Cuckoo counting

Yellow – 15	Green – 10
Yellow – 19	Green – 12
Yellow – 22	Green – 17
Yellow – 25	Green – 20
Yellow – 27	Green – 23
Yellow – 32	Green – 29

Any numbers that lie between the above numbers

Lesson 4, Support: Dinosaur tracks of 2

0 2 4 **6** 8 **10 12**
1 3 **5** 7 **9** 11 **13**
12 14 **16** 18 20 **22 24**
13 15 **17** 19 **21 23 25**

Unit 9, Week 2: Addition and subtraction

Lesson 1, Support: Double decker doubles

10 – 5 and 5	16 – 8 and 8
12 – 6 and 6	18 – 9 and 9
14 – 7 and 7	20 – 10 and 10

Lesson 2, Extension: Building block addition

3 + 4 = 3 + 3 + 1 = 6 + 1 = 7
6 + 8 = 6 + 6 + 2 = 12 + 2 = 14
5 + 6 = 5 + 5 + 1 = 10 + 1 = 11
6 + 7 = 6 + 6 + 1 = 12 + 1 = 13
7 + 9 = 7 + 7 + 2 = 14 + 2 = 16
8 + 9 = 8 + 8 + 1 = 16 + 1 = 17

Lesson 3, Extension: Tricky trios

7 + 10 + 4 = 21 and any combination of the same three numbers to total 21

9 + 5 + 8 = 22 and any combination of the same three numbers to total 22

12 + 3 + 9 = 24 and any combination of the same three numbers to total 24

14 + 9 + 2 = 25 and any combination of the same three numbers to total 25

Lesson 4, Support: Yellow submarines

9/15/6
15 – 6 = 9 and 9 + 6 = 15

7/12/5
12 – 7 = 5 and 7 + 5 = 12

5/8/13
13 – 8 = 5 and 8 + 5 = 13

14/4/10
14 – 4 = 10 and 10 + 4 = 14

Unit 9, Week 3: Geometry: Position and direction

Lesson 1, Support: Position words

Photograph of child's work should show:
1 Cardboard box **on top of** the table.
2 Toy in front of the cardboard box.
3 Ball **inside** the cardboard box.
4 Piece of paper **outside** of the cardboard box on top of the table.
5 Cube **underneath** the piece of paper.
6 Book **behind** the cardboard box.

Lesson 2, Support: Farm positions

Children should have followed these instructions:
• Draw a fence around the sheep.
• Draw a pond far from the sheep.
• Draw a duck near to the pond.
• Draw another duck close to the first duck.

Lesson 3, Extension: Directions

Lesson 4, Extension: Turning

Unit 10, Week 1: Multiplication and division, incl. Number and place value

Lesson 1, Extension: Ewe 2s

2, 4, 6, 8
12, 10, 8, 6
14, 16, 18, 20
24, 22, 20, 18
24, 26, 28, 30

Lesson 2, Extension: Pear pairs

2 lots of 2 make 4	3 lots of 2 make 6
4 lots of 2 make 8	5 lots of 2 make 10
6 lots of 2 make 12	7 lots of 2 make 14

Lesson 3, Extension: Hives and 10s

15, 20, **25, 30, 35**
60, 70, **80, 90, 100**
35, 40, **45, 50, 55**
100, 90, **80, 70, 60**
50, 45, **40, 35, 30**

Lesson 4, Support: How many?

2 lots of 10 make 20	3 lots of 5 make 15
5 lots of 2 make 10	4 lots of 10 make 40
5 lots of 5 make 25	7 lots of 2 make 14

Unit 10, Week 2: Multiplication and division

Lesson 1, Support: How many sweets?

14 sweets	25 sweets
40 sweets	20 sweets
45 sweets	60 sweets

Lesson 2, Extension: Penny purses

14p	35p
50p	20p
45p	80p

Lesson 3, Extension: Milkshake shares

12 shared between 3 is 4 milkshakes each.
12 shared between 2 is 6 milkshakes each.
15 shared between 3 is 5 milkshakes each.
15 shared between 5 is 3 milkshakes each.
16 shared between 2 is 8 milkshakes each.
16 shared between 4 is 4 milkshakes each.
20 shared between 2 is 10 milkshakes each.
20 shared between 4 is 5 milkshakes each.

Lesson 4, Extension: Bird sharing

10 shared between 2 is 5.
14 shared between 2 is 7.
16 shared between 2 is 8.
15 shared between 3 is 5.

Unit 10, Week 3: Measurement

Lesson 1, Support: More or less than 1 metre?

Answers will vary.

Lesson 2, Extension: Estimating and measuring

Answers will vary.

Lesson 3, Extension: How many bricks?

11 bricks	8 bricks
16 bricks	12 bricks
6 bricks	14 bricks
2 bricks	5 bricks

Lesson 4, Support: Shapes that balance

3 cubes	3 cubes
4 cubes	4 cubes
5 cubes	5 cubes
6 cubes	6 cubes
heavier	lighter

Unit 11, Week 1: Addition and subtraction

Lesson 1, Support: Monkey-puzzle trees

$7 + 7 = 14$	$15 - 5 = 10$
$8 + 9 = 17$	$17 - 4 = 13$
$14 + 6 = 20$	$19 - 8 = 11$

Lesson 2, Extension: Magic carpet calculations

$19 + 0 = 19$	$18 + 1 = 19$
$17 + 2 = 19$	$16 + 3 = 19$
$19 - 0 = 19$	$19 - 1 = 18$
$19 - 2 = 17$	$19 - 3 = 16$
$20 - 4 = 16$	$20 - 5 = 15$
$20 - 6 = 14$	$20 - 7 = 13$
$20 + 0 = 20$	$19 + 1 = 20$
$18 + 2 = 20$	$17 + 3 = 20$

Lesson 3, Support: Seaside problems (1)

$9 + 2 = 11$
We got there at 11 o'clock.

$13 - 3 = 10$
She still had 10 shells left.

$6 + 6 = 12$
They had 12 pasties altogether.

$12 - 5 = 7$
We had 7 tickets left.

Lesson 4, Extension: Seaside problems (2)

$11 - 3 = 8$	$15 - 2 = 13$
$8 + 5 = 13$	$13 - 4 = 9$
13 shells	9 sandwiches left
$18 - 5 = 13$	$12 + 4 = 16$
$13 + 7 = 20$	$16 - 10 = 6$
20 sandcastles	6 fish left

Unit 11, Week 2: Addition and subtraction

Lesson 1, Support: Penny problems

$20 - 9 = 11p$	$8 + 11 = 19p$
$13 + 7 = 20p$	$20 - 14 = 6p$

Lesson 2, Extension: Pizza toppings

$8p + 5p = 13p$; 7p change
$13p + 6p = 19p$; 1p change
$5p + 12p = 17p$; 3p change
$7p + 8p = 15p$; 5p change
$9p + 13p = 22p$; more than 20p
$13p + 12p = 25p$; more than 20p

Lesson 3, Support: Tremendous trios

$6 + 9 = 15$
$9 + 6 = 15$
$15 - 9 = 6$
$15 - 6 = 9$

$11 + 5 = 16$
$5 + 11 = 16$
$16 - 5 = 11$
$16 - 11 = 5$

$9 + 8 = 17$
$8 + 9 = 17$
$17 - 9 = 8$
$17 - 8 = 9$

Lesson 4, Extension: Ten more or less town

$13 - 10 = 3$
$17 + 10 = 27$
$19 + 10 = 29$
$21 - 10 = 11$
$25 + 10 = 35$
$26 - 10 = 16$
$30 - 10 = 20$
$34 + 10 = 44$

Unit 11, Week 3: Geometry: Properties of shape

Lesson 1, Extension: 2-D shape patterns

Purple triangle, blue circle, green rectangle, purple triangle, blue circle, green rectangle , purple triangle, blue circle, green rectangle

Red rectangle, red rectangle, yellow circle, yellow circle, red rectangle, red rectangle, yellow circle, yellow circle, red rectangle

Children's own repeating shape pattern.

Star with sections coloured as per the key, or a dot inside each section.
Children's own repeating pattern.

Lesson 2, Extension: Drawing 2-D shapes

Circle; children's own drawing of something circular

Triangle; children's own drawing of something triangular

Rectangle; children's own drawing of something rectangular

Rectangle; children's own drawing of something rectangular

Square; children's own drawing of something square

Children's shape of choice and drawing of something that shape

Lesson 3, Support: 3-D shape patterns and models

Photograph of children's two-shape repeating pattern.

Photograph of children's three-shape repeating pattern.

Photograph of children's model castle or train.

Lesson 4, Support: 3-D shape match
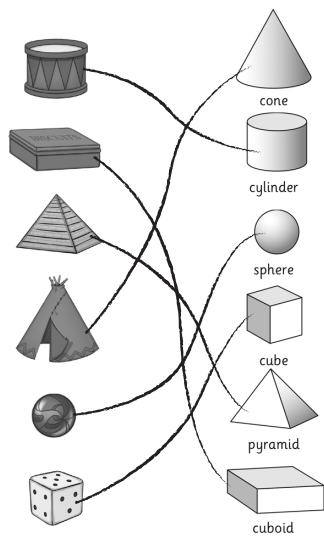
Unit 12, Week 1: Multiplication and division

Lesson 1, Support: Treasure doubles

Double 5 is 10.   Double 6 is 12.
Double 8 is 16.   Double 7 is 14.
Double 9 is 18.   Double 10 is 20.

Lesson 2, Extension: Spotted hanky halves

Half of 14 is 7.   Half of 18 is 9.
Half of 20 is 10.   Half of 22 is 11.
Half of 26 is 13.   Half of 30 is 15.

Lesson 3, Support: Fraction flags

One quarter of 16 is 4 – 4 spots coloured
One quarter of 12 is 3 – 3 stars coloured
One quarter of 20 is 5 – 5 diamonds coloured
One quarter of 24 is 6 – 6 spots coloured

Lesson 4, Extension: Half and quarter constellations

Half of 10 is 5.
Quarter of 8 is 2.
Half of 14 is 7.

Quarter of 12 is 3.
Half of 18 is 9.
Quarter of 20 is 5.

Unit 12, Week 2: Fractions

Lesson 1, Support: Finding fractions

Circle – one half or $\frac{1}{2}$
Square – one quarter or $\frac{1}{4}$
Square – one half or $\frac{1}{2}$
Circle – one quarter or $\frac{1}{4}$

Shapes coloured – halves on the top row and quarters on row underneath

Lesson 2, Extension: Button halves and quarters

$\frac{1}{2}$ of 24 is 12. $\frac{1}{4}$ of 24 is 6.
$\frac{1}{2}$ of 28 is 14. $\frac{1}{4}$ of 28 is 7.

Lesson 3, Support: Four flag fractions

Answers will vary; flags half coloured.

Lesson 4, Extension: Collect the marbles!

$\frac{1}{2}$ of 18 is 9. $\frac{1}{4}$ of 20 is 5.
$\frac{1}{2}$ of 22 is 11. $\frac{1}{4}$ of 24 is 6.

Unit 12, Week 3: Measurement (time)

Lesson 1, Support: My day

7 o'clock   half past 7
12 o'clock   1 o'clock
4 o'clock   3 o'clock
Half past 7   7 o'clock

Lesson 2, Extension: Drawing hands

Clock showing 7 o'clock; clock showing 9 o'clock

Clock showing 7 o'clock; clock showing half past 8

Clock showing 10 o'clock; clock showing half past 11

Clock showing 4 o'clock; clock showing 7 o'clock

Clock showing 10 o'clock; clock showing 1 o'clock

Lesson 3, Support: Things I can do in 1 minute

Answers will vary but should be reasonable.

Lesson 4, Extension: Train times

A: half past 11; B: half past 10; 1 hour later

A: 6 o'clock; B: half past 6; half an hour earlier

A: half past 10; B: 10 o'clock; half an hour later

Homework Guide 1

Unit 1, Week 1: Number and place value

Lesson 2: Numbers on our street

0 **1 2 3 4** 5 6
7 **8** 9 **10** 11 **12** 13
14 **15 16** 17 **18 19** 20

Lesson 4: Party-hat places

Unit 1, Week 2: Addition and subtraction

Lesson 2: Animal addition

2 + 1 = 3   1 + 3 = 4
2 + 0 = 2   3 + 2 = 5
4 + 1 = 5   0 + 4 = 4

Lesson 4: Snappy subtraction

3 – 2 = 1
4 – 2 = 2
5 – 2 = 3
3 – 3 = 0
4 – 0 = 4

Unit 1, Week 3: Geometry: Properties of shape

Lesson 1: 2-D shape properties

This shape is a **circle**.
It has **1** side and **0** corners.

This shape is a **triangle**.
It has **3** sides and **3** corners.

This shape is a **rectangle**.
It has **4** sides and **4** corners.

This shape is a **square**.
It has **4** sides and **4** corners.
It is a special rectangle because all sides are **the same length**.

Lesson 2: Sorting 2-D shapes

6				▱
5	◯		◇	▯
4	◯	▽	◇	▭
3	◯	▷	◇	▱
2	◯	△	☐	▯
1	◯	△	▭	▭

There are 5 circles, 4 triangles, 5 squares and 6 rectangles.

Unit 2, Week 1: Addition and subtraction

Lesson 2: Addition and subtraction scarves

4 (blue): 4 + 0   7 – 3
5 (purple): 3 + 2   10 – 5
6 (orange): 5 + 1   8 – 2
7 (red): 4 + 3   7 – 0
8 (green): 5 + 3   9 – 1

Lesson 3: Basketball doubles

1 + 1 = 2
2 + 2 = 4
3 + 3 = 6
4 + 4 = 8
5 + 5 = 10

Unit 2, Week 2: Addition and subtraction

Lesson 2: Number track calculations

2 + 7 = 9
3 + 5 = 8
6 + 4 = 10

6 – 1 = 5
9 – 3 = 6
10 – 2 = 8

Lesson 4: Word problems

6 – 4 = 2   4 + 2 = 6
7 + 2 = 9   10 – 3 = 7

Unit 2, Week 3: Measurement (lengths and heights)

Lesson 1: Comparing lengths

Train **A** is the longest.
Train **B** is the shortest.

Comparison of longer and shorter: answers will vary.

Lesson 3: Measuring with my body

Answers will vary.

Unit 3, Week 1: Multiplication and division, incl. Number and place value

Lesson 2: Popcorn patterns

0 **2** 4 **6 8** 10 **12** 14 **16** 18 **20**
0 **5** 10 **15** 20

Lesson 4: Counting on in 2s, 5s and 10s

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

Unit 3, Week 2: Multiplication and division

Lesson 3: Counting sets in 2s, 5s and 10s

15 fingers on the gloves
10 flowers
30 pencils
8 flags
25 candles
50 bugs

Lesson 4: Sharing spots

8 shared between 2 is 4.
9 shared between 3 is 3.
10 shared between 2 is 5.
12 shared between 2 is 6.
12 shared between 3 is 4.
15 shared between 3 is 5.

Unit 3, Week 3: Geometry: Position and direction

Lesson 1: Rock climbing

2 up   3 up
2 left   2 right
1 down   1 up
2 left

Lesson 2: Animal match

No answers.

Unit 4, Week 1: Addition and subtraction

Lesson 2: Addition and subtraction explorers
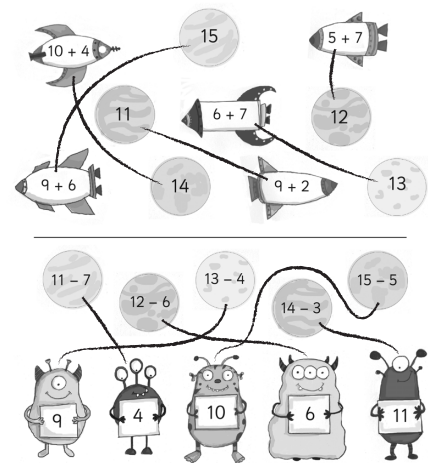
Lesson 4: Sticker solutions

13 – 6 = 7   8 + 3 = 11
15 – 6 = 9   9 + 5 = 14

Unit 4, Week 2: Fractions

Lesson 2: Half-time halves

                        Half of 2 is **1**.
Half of **6** is **3**.   Half of **4** is **2**.
Half of **8** is **4**.   Half of **10** is **5**.

Lesson 4: Problem halves

2 pizzas   drawing of a tower 4
                        blocks tall

3 cakes   5 stickers

Unit 4, Week 3: Measurement (money)

Lesson 1: Ice-cream fun

Any two combinations of coins totalling 5p
Any two combinations of coins totalling 10p

Lesson 3: What is the total amount?

10p; drawing of a 10p coin
20p; drawing of a 20p coin
50p; drawing of a 50p coin
10p; drawing of a 10p coin

Unit 5, Week 1: Number and place value

Lesson 2: Odds and evens patterns

Missing numbers:
2, 3; 5, 6; 8, 9, 10; 12, 13, 14; 16, 17, 18; 20
1, 2, 3, 4; 6, 7, 8; 10, 11, 12, 13; 15, 16, 17; 19, 20

Lesson 4: Patchwork patterns

daisy and tulip missing
leaf missing
ladybird and flower missing
sun missing
flower and snail missing
ladybird missing

Unit 5, Week 2: Addition and subtraction

Lesson 2: At the shops

4p + 5p = 9p   7p + 3p = 10p
6p + 2p = 8p   4p + 6p = 10p

10p – 7p = 3p change
10p – 8p = 2p change
10p – 9p = 1p change

Lesson 4: Money problems

15p – 6p = 9p   8p + 8p = 16p

Answers will vary

Unit 5, Week 3: Geometry: Properties of shape

Lesson 2: Odd shape out

First thought bubble:
Odd one out = pyramid
Other shapes = cones

Second thought bubble
Odd one out = cube
Other shapes = cylinders

Third thought bubble
Odd one out = sphere
Other shapes = cuboids

Lesson 4: 2-D and 3-D shapes

Unit 6, Week 1: Multiplication and division, incl. Number and place value

Lesson 3: Patterns of 2s, 5s and 10s

0	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
	51	52	53	54	55	56	57	58	59	60
	61	62	63	64	65	66	67	68	69	70
	71	72	73	74	75	76	77	78	79	80
	81	82	83	84	85	86	87	88	89	90
	91	92	93	94	95	96	97	98	99	100

Lesson 4: Counting in 2s, 5s and 10s

Array of 12: 2×6, 6×2, 3×4 or 4×3
Array of 15: 5×3 or 3×5
Array of 20: 2×10, 10×2, 4×5, 5×4
Array of 35: 5×7 or 7×5

Unit 6, Week 2: Multiplication and division

Lesson 2: Supermarket sweep

12 socks   20 stickers
40 cakes   18 avocados
35 ice lollies   60 packets of crisps

Lesson 4: Sharing and combining

4 balloons each   10 spots altogether
3 dinosaurs in each box 15 flowers altogether
5 cars each   20p altogether

Unit 6, Week 3: Measurement (mass)

Lesson 2: Weighing animals

Balance completed to show:
elephant heavier, rabbit lighter
giraffe heavier, mouse lighter
penguins equal
lion heavier, hamster lighter

Lesson 3: Ordering weights

Elephant: 11   Lion: 8
          Meerkat: 3
Penguin: 5   Gorilla: 7

lightest				heaviest
meerkat	penguin	gorilla	lion	elephant

Unit 7, Week 1: Addition and subtraction

Lesson 2: Addition facts for 10

Addition facts for 10: 5 + 5, 0 + 10, 6 + 4, 8 + 2, 3 + 7, 9 + 1, 1 + 9, 2 + 8

Lesson 4: Addition and subtraction facts

3 + 2 = 5, 4 – 0 = 4, 1 + 7 = 8
5 + 1 = 6, 8 – 5 = 3, 7 + 2 = 9
4 + 3 = 7, 7 – 1 = 6, 2 + 5 = 7
6 + 2 = 8, 5 – 2 = 3, 4 + 0 = 4
2 + 4 = 6, 10 – 2 = 8, 1 + 6 = 7
3 + 5 = 8, 7 – 3 = 4, 8 + 2 = 10
6 + 3 = 9, 6 – 2 = 4, 0 + 8 = 8
3 + 7 = 10, 9 – 2 = 7, 5 + 4 = 9

Related pairs of facts:
3 + 2 = 5, 5 – 2 = 3
4 + 3 = 7, 7 – 3 = 4
2 + 4 = 6, 6 – 2 = 4
3 + 5 = 8, 8 – 5 = 3
7 + 2 = 9, 9 – 2 = 7
4 + 0 = 4, 4 – 0 = 4
1 + 6 = 7, 7 – 1 = 6
8 + 2 = 10, 10 – 2 = 8

Unit 7, Week 2: Addition and subtraction

Lesson 2: Exploring number facts

12 – 4 = 8   10 + 4 = 14
12 + 3 = 15   10 – 3 = 7
12 – 7 = 5   10 + 2 = 12

13 + 2 = 15   15 – 4 = 11
13 – 7 = 6   15 + 0 = 15
13 – 3 = 10   15 – 6 = 9

Lesson 4: Fact finder

7 + 4 = 11   12 – 2 = 10
10 + 2 = 12   13 – 5 = 8
8 + 5 = 13   11 – 4 = 7
11 + 3 = 14   15 – 6 = 9
9 + 6 = 15   14 – 3 = 11

Unit 7, Week 3: Measurement (time)

Lesson 2: Sequencing events

Answers will vary.

Lesson 4: Reading o'clock and half past times

7 o'clock, half past 9
12 o'clock, 3 o'clock
Half past 4, half past 1
Half past 11, half past 6
5 o'clock

Unit 8, Week 1: Number and place value

Lesson 1: Number names from 1 to 10

1	one	
2	two	
3	three	
4	four	
5	five	
6	six	
7	seven	
8	eight	
9	nine	
10	ten	

Lesson 3: Ordering to 20

Spots: 3, 8, 12
Stars: 1, 7, 14
Stripes: 9, 15, 18
Plain: 10, 16, 20

Unit 8, Week 2: Fractions

Lesson 2: Quarters quiz

Top: 1 quarter of each shape coloured

Middle: 3 balloons coloured, 4 apples coloured

Bottom: a flake in 5 ice creams, One quarter of **20** is **5**.

Lesson 4: Problem quarters

3 beads	2 cakes
4 chocolate bars	5 cars

Unit 8, Week 3: Measurement – Volume and capacity

Lesson 1: Full or empty?

Answer will vary but should be consistent with the label shown.

Lesson 4: Volume and capacity

Drawing of three buckets that are full, empty and half full (consistent with the labels shown). Answer will vary but should be consistent with the column headings in the table.

Unit 9, Week 1: Number and place value

Lesson 1: Number names from 11 to 20

11	eleven	
12	twelve	
13	thirteen	
14	fourteen	
15	fifteen	
16	sixteen	
17	seventeen	
18	eighteen	
19	nineteen	
20	twenty	

Lesson 4: Counting in 2s, 5s and 10s

11 13 17
18 14 12
11 21 26
38 33 23
64 74 94

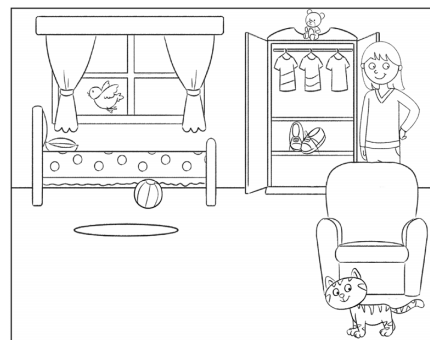## Unit 9, Week 2: Addition and subtraction

Lesson 1: Double troll trouble

$3 + 3 = 6$	$5 + 5 = 10$
$9 + 9 = 18$	$6 + 6 = 12$
$7 + 7 = 14$	$10 + 10 = 20$

Lesson 3: Robot 3s

Make 10 – 7 2 1	Make 10 – 4 0 6
Make 15 – 8 3 4	Make 15 – 5 1 9

Unit 9, Week 3: Geometry: Position and direction

Lesson 1: Where in the room?

Lesson 2: Near or far?

Answers will vary.

Unit 10, Week 1: Multiplication and division, incl. Number and place value

Lesson 3: Number patterns of 2, 5 and 10

2, 4, 6, 8, 10, 12
30, 25, 20, 15, 10, 5
50, 60, 70, 80, 90, 100
20, 18, 16, 14, 12, 10
25, 30, 35, 40, 45, 50
70, 60, 50, 40, 30, 20

Lesson 4: Counting on in 2s, 5s and 10s

Answers will vary.

Unit 10, Week 2: Multiplication and division

Lesson 2: Solving word problems

10 eggs	25 beads
60p	20 spots
30 flowers	90 apples

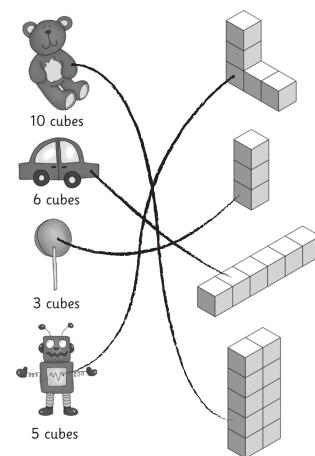**Lesson 4: Sharing**

8 chocolates each	4 balloons each
6 flowers in each vase	9 cherries on each cake
4 pencils in each pot	5 coins in each moneybox

Unit 10, Week 3: Measurement

Lesson 2: The metre rule

Answers will vary.

Lesson 4: Weighing with cubes

10 cubes
6 cubes
3 cubes
5 cubes

Unit 11, Week 1: Addition and subtraction

Lesson 2: Fishy facts

$15 = 20 – 5$ and $6 + 9$
$16 = 19 – 3$ and $8 + 8$
$17 = 20 – 3$ and $5 + 12$
$18 = 18 – 0$ and $13 + 5$
$19 = 20 – 1$ and $11 + 8$
$20 = 20 – 0$ and $10 + 10$

Lesson 4: My number storybook

16 – 7 = 9	18 – 7 = 11	19 – 12 = 7
9 + 6 = 15	9 + 5 = 14	7 + 10 = 17
6 + 10 = 16	16 – 3 = 13	20 – 12 = 8
18 – 12 = 6	14 + 6 = 20	13 + 0 = 13

Unit 11, Week 2: Addition and subtraction

Lesson 2: Money magazine

17p and 20p

9p + 9p = 18p   9p – 6p = 3p

7p + 8p = 15p   5p coin shows her change

Answers will vary.

Lesson 4: Add 10, take off 10

Top section
9 + 10 = 19
7 + 10 = 17
13 + 10 = 23
10 + 10 = 20
15 + 10 = 25

Bottom section
11– 10 = 1
14 – 10 = 4
22 – 10 = 12
25 – 10 = 15
30 – 10 = 20

Unit 11, Week 3: Geometry: Properties of shape

Lesson 1: Mosaic pattern

Children's own mosaic patterns.

Lesson 2: 2-D shape sorting

Circles: clock, coin
Triangles: bunting, sandwich
Rectangles: door, banknote, birthday card
Squares: window

Unit 12, Week 1: Multiplication and division

Lesson 2: Double and half pathways

Double 3 = 6	Half of 6 = 3
Double 5 = 10	Half of 10 = 5
Double 10 = 20	Half of 20 = 10
Double 2 = 4	Half of 4 = 2
Double 9 = 18	Half of 18 = 9
Double 4 = 8	Half of 8 = 4

Lesson 4: Double, halve and quarter

Double the spots
7   14
4   8
6   12
10   20
9   18

Half		Quarter	
12	6	16	4
8	4	12	3
16	8	4	1
20	10	20	5

Unit 12, Week 2: Fractions

Lesson 2: Royal halves and quarters

Queen of Hearts – 2 coins, 6 coins, 3 coins, 9 coins, 7 coins and 10 coins coloured to show half of each pile.

King of hearts – 4, 2, 5 and 3 tarts coloured to show $\frac{1}{4}$ of each tray.

Tart divided in half.
Tart divided into quarters.

Lesson 4: Halves and quarters questions

Cookie labelled $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{4}$

Half or quarter of each shape coloured.
$\frac{1}{2}$ is red, $\frac{1}{4}$ is blue

One half is green.
20 balloons – 10 coloured
24 beads – 12 coloured
20 buttons – 5 coloured
24 apples – 6 coloured

Unit 12, Week 3: Measurement (time)

Lesson 2: Ordering times

Clock showing 9 o'clock
Clock showing half past 3
Clock showing half past 10
Clock showing 2 o'clock
Clock showing 11 o'clock
Clock showing half past 7
Clock showing 6 o'clock
Clock showing 1 o'clock
Clock showing half past 5

Lesson 4: Showing and comparing times

Clocks showing 10 o'clock and 12 o'clock (2 hours)

Clocks showing 1 o'clock and 4 o'clock (3 hours)

Clocks showing 8 o'clock and 12 o'clock (4 hours)

Clocks showing half past 2 and half past 3 (1 hour)

Clocks showing half past 10 and half past 12 (2 hours)

Clocks showing half past 1 and half past 4 (3 hours)