Answers

Answers

Activity Book 2A

Unit 1, Week 1: Number – Number and place value

Lesson 1: Sweet factory numbers

45 – 4 tens and 5 ones coloured orange
27 – 2 tens and 7 ones coloured yellow
3 – 0 tens and 3 ones coloured green
18 – 1 ten and 8 ones coloured red
34 – 3 tens and 4 ones coloured pink
50 – 5 tens and 0 ones coloured blue

Lesson 2: Spaceship and stars

Children write:
a number less than 12
a number more than 23
a number less than 30
a number less than 41
a number more than 18
a number less than 50

Lesson 3: Seaside numbers

Children write numbers 0–9 in order on the sandcastle flags, to correspond with numbers written in words
Numbers on buckets 10, 20, 30, 40, 50
33 matches thirty-three
35 matches thirty-five
48 matches forty-eight
42 matches forty-two
21 matches twenty-one
29 matches twenty-nine

Lesson 4: 10s and 1s trees

Different possible arrangements of four counters
4 tens and 0 ones make 40
3 tens and one one make 31
2 tens and 2 ones make 22
1 ten and 3 ones make 13
0 tens and 4 ones make 4

Unit 1 Week 2: Number – Addition and subtraction

Lesson 1: Add both ways

5 + 7 = 12	6 + 9 = 15
7 + 5 = 12	9 + 6 = 15
11 + 3 = 14	8 + 3 = 11
3 + 11 = 14	3 + 8 = 11
2 + 12 = 14	15 + 4 = 19
12 + 2 = 14	4 + 15 = 19

Lesson 2: Cloudy calculations

Addition
3 + 6 = 9   7 + 5 = 12   4 + 9 = 13
13 + 4 = 17   2 + 16 = 18   12 + 7 = 19

Subtraction
9 – 5 = 4   7 – 5 = 2   10 – 7 = 3
14 – 14 = 0   11 – 8 = 3   15 – 6 = 9

12 plus 6 = 18   18 take away 5 = 13
7 more than 8 = 15   Subtract 8 from 13 = 5

Lesson 3: Checking fish facts

5 + 7 = 12 or 7 + 5 = 12
12 – 7 = 5 or 12 – 5 = 7

4 + 9 = 13 or 9 + 4 = 13
13 – 9 = 4 or 13 – 4 = 9

14 – 3 = 11 or 14 – 11 = 3
11 + 3 = 14 or 3 + 11 = 14

17 – 10 = 7 or 17 – 7 = 10
7 + 10 = 17 or 10 + 7 = 17

Lesson 4: 'Take away' or 'difference'

or

Unit 1 Week 3: Geometry – Properties of shapes

Lesson 1: Name that shape

6 sides, 6 vertices, hexagon
6 sides, 6 vertices, hexagon
5 sides, 5 vertices, pentagon
8 sides, 8 vertices, octagon
5 sides, 5 vertices, pentagon
5 sides, 5 vertices, pentagon
8 sides, 8 vertices, octagon
3 sides, 3 vertices, triangle
8 sides, 8 vertices, octagon

Lesson 2: Which shapes have symmetry?

Yes, octagon
No, triangle
Yes, hexagon
Yes, square
Yes, rectangle
Yes, pentagon
No, octagon
Yes, triangle
Yes, circle

Lesson 3: Drawing shapes

completed squares
completed rectangles
completed triangles

Lesson 4: Sort it out!

Fewer than 4 vertices	4 vertices	More than 4 vertices
circle oval triangle	square rectangle	pentagon hexagon octagon
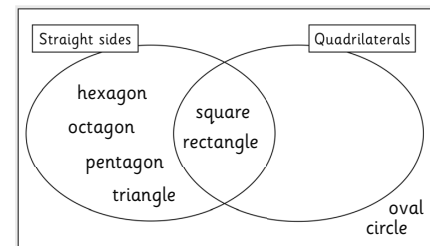
Unit 2 Week 1: Number – Addition and subtraction

Lesson 1: Number flowers

15 + 3 = 18	12 + 7 = 19	9 + 6 = 15
15 – 3 = 12	12 – 7 = 5	9 – 6 = 3
13 + 4 = 17	11 + 5 = 16	17 + 2 = 19
13 – 4 = 9	11 – 5 = 6	17 – 2 = 15
9 + 8 = 17	10 + 6 = 16	14 + 4 = 18
9 – 8 = 1	10 – 6 = 4	14 – 4 = 10

Lesson 2: Related addition facts

30 + 10 = 40	40 + 10 = 50	60 + 20 = 80
3 + 1 = 4	4 + 1 = 5	6 + 2 = 8
50 + 40 = 90	70 + 30 = 100	80 + 10 = 90
5 + 4 = 9	7 + 3 = 10	8 + 1 = 9
20 + 30 = 50	10 + 50 = 60	30 + 40 = 70
3 + 2 = 5	5 + 1 = 6	4 + 3 = 7
10 + 70 = 80	40 + 60 = 100	20 + 50 = 70
7 + 1 = 8	6 + 4 = 10	5 + 2 = 7

Lesson 3: Related subtraction facts

40 – 20 = 20	30 – 10 = 20	60 – 40 = 20
4 – 2 = 2	3 – 1 = 2	6 – 4 = 2
70 – 30 = 40	50 – 20 = 30	90 – 30 = 60
7 – 3 = 4	5 – 2 = 3	9 – 3 = 6
80 – 50 = 30	70 – 40 = 30	100 – 60 = 40
8 – 5 = 3	7 – 4 = 3	10 – 6 = 4
90 – 70 = 20	60 – 30 = 30	50 – 40 = 10
9 – 7 = 2	6 – 3 = 3	5 – 4 = 1

Lesson 4: Calculation patterns

11 + 0 = 11	11 − 0 = 11
10 + 1 = 11	11 − 1 = 10
9 + 2 = 11	11 − 2 = 9
8 + 3 = 11	11 − 3 = 8
7 + 4 = 11	11 − 4 = 7
6 + 5 = 11	11 − 5 = 6
5 + 6 = 11	11 − 6 = 5
4 + 7 = 11	11 − 7 = 4
3 + 8 = 11	11 − 8 = 3
2 + 9 = 11	11 − 9 = 2
1 + 10 = 11	11 − 10 = 1
0 + 11 = 11	11 − 11 = 0
10 + 2 = 12	14 + 5 = 19

Unit 2 Week 2: Number – Addition and subtraction

Lesson 1: Cake addition

20 + 6 = 26	40 + 3 = 43	10 + 9 = 19
50 + 7 = 57	30 + 5 = 35	60 + 2 = 62
80 + 1 = 81	70 + 8 = 78	90 + 4 = 94
30 + 2 = 32	60 + 7 = 67	20 + 5 = 25
90 + 6 = 96	40 + 9 = 49	80 + 8 = 88

Lesson 2: Cat subtraction

10 − 3 = 7	40 − 5 = 35	20 − 9 = 11
30 − 8 = 22	60 − 1 = 59	50 − 7 = 43
80 − 4 = 76	70 − 6 = 64	90 − 2 = 88
20 − 4 = 16	50 − 2 = 48	40 − 6 = 34
90 − 5 = 85	60 − 9 = 51	80 − 3 = 77

Lesson 3: Missing number flowers

5 + 4 = 9	5 + 7 = 12	8 + 7 = 15
5 + 6 = 11	8 + 6 = 14	8 + 9 = 17
4 + 9 = 13	9 + 7 = 16	5 + 7 = 12
13 + 4 = 17	5 + 13 = 18	12 + 2 = 14
3 + 12 = 15	15 + 2 = 17	6 + 13 = 19
4 + 15 = 19	11 + 5 = 16	6 + 12 = 18

Lesson 4: Missing number bubbles

8 − 6 = 2	7 − 4 = 3	7 − 2 = 5
17 − 5 = 12	14 − 3 = 11	19 − 6 = 13
18 − 3 = 15	17 − 7 = 10	15 − 3 = 12
15 − 4 = 11	19 − 5 = 14	16 − 2 = 14
18 − 13 = 5	18 − 16 = 2	17 − 14 = 3
16 − 15 = 1	19 − 14 = 5	18 − 12 = 6

Unit 2 Week 3: Measurement (length and height)

Lesson 1: All about length

Circle: tape measure, ruler
Circle: centimetres, metres

Estimates will vary. Lengths:
5 cm, 12 cm, 8 cm, 15 cm

Lesson 2: Heights and widths

Door: centimetres; tree: metres; a person:
accept metres or metres and centimetres;
piece of paper: centimetres; glass: centimetres;
giraffe: metres; book: centimetres; small mirror:
centimetres

Table: answers will vary

Lesson 3: Recording length using the signs >, < or =

A: 8 cm, B: 5 cm, C: 6 cm, D: 11 cm, E: 12 cm,
F: 2 cm, G: 7 cm, H: 4 cm

Shortest to longest: 2 cm, 4 cm, 5 cm, 6 cm, 7
cm, 8 cm, 11 cm, 12 cm

Bottom section: answers will vary

Lesson 4: Half as long

Children should draw lines half the length of
those drawn: 6 cm, 7 cm, 4 cm, 5 cm, 8 cm,
1 cm, 3 cm, $2\frac{1}{2}$ cm

Unit 3 Week 1: Number – Multiplication and division, including Number and place value

Lesson 1: Stepping stones of two

2	4	6	8	10
12	14	16	18	20
22	24	26	28	30
32	34	36	38	40
42	44	46	48	50

Lesson 2: Birthday 2s

6 candles – 3 × 2 – red;
4 candles – 2 × 2 – blue

2 candles – 1 × 2 – orange;
8 candles – 4 × 2 – purple

16 candles – 8 × 2 – in yellow;
12 candles – 6 × 2 – green

14 candles – 7 × 2 – pink;
10 candles – 5 × 2 – turquoise

Lesson 3: Space division

6 ÷ 2 = 3	4 ÷ 2 = 2
2 ÷ 2 = 1	8 ÷ 2 = 4
16 ÷ 2 = 8	12 ÷ 2 = 6
14 ÷ 2 = 7	10 ÷ 2 = 5

Lesson 4: Sweet shop solutions

8 ÷ 2 = 4	3 × 2 = 6
2 × 2 = 4	10 ÷ 2 = 5
12 ÷ 2 = 6	4 × 2 = 8

Unit 3 Week 2: Number – Multiplication and division, including Number and place value

Lesson 1: Submarine sequences of 5

5	10	15	20	25
20	25	30	35	40
45	50	55	60	65
65	70	75	80	85
80	85	90	95	100

Lesson 2: Flower 5s

1 × 5 = 5
2 × 5 = 10
3 × 5 = 15
4 × 5 = 20
5 × 5 = 25
6 × 5 = 30
7 × 5 = 35
8 × 5 = 40
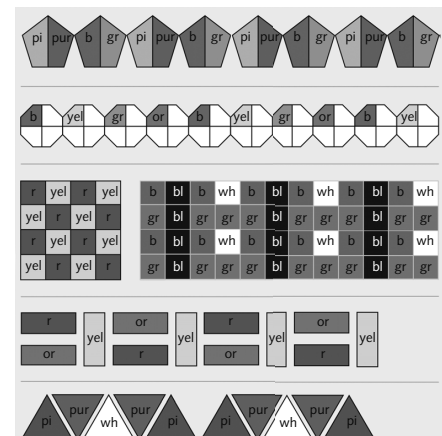9 × 5 = 45
10 × 5 = 50

Lesson 3: Sausage sharing

20 ÷ 5 = 4
10 ÷ 5 = 2
30 ÷ 5 = 6
15 ÷ 5 = 3
25 ÷ 5 = 5

Lesson 4: Supermarket solutions

5 × 5 = 25	20 ÷ 5 = 4
40 ÷ 5 = 8	4 × 5 = 20
30 ÷ 5 = 6	9 × 5 = 45

Unit 3 Week 3: Geometry – Position and direction

Lesson 1: Spot the pattern
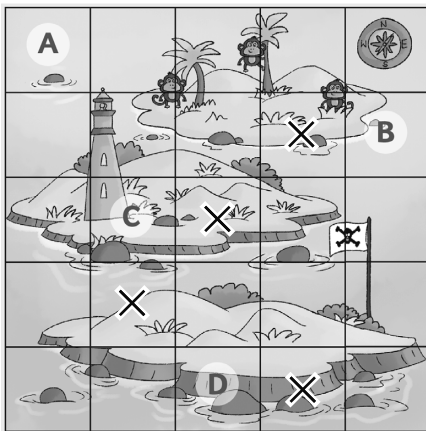
Lesson 2: Creating shape patterns

Answers will vary

Lesson 3: Shape grid

Blue hexagon B3
Green circle B4
Yellow triangle D3

orange square
orange octagon
green circle
purple octagon

Lesson 4: X marks the spot

Bottom section: Answers will vary

Unit 4 Week 1: Number – Multiplication and division, including Number and place value

Lesson 1: Tentacle 10s

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

0 10 20 30 40 50 60 70 80 90 100

Lesson 2: Tomato 10s

1 x 10 = 10
2 x 10 = 20
3 x 10 = 30
4 x 10 = 40
5 x 10 = 50
6 x 10 = 60
7 x 10 = 70
8 x 10 = 80
9 x 10 = 90
10 x 10 = 100

Lesson 3: Pea pod division

50 ÷ 10 = 5,
5 peas in each
peapod

30 ÷ 10 = 3
3 peas in each
peapod

20 ÷ 10 = 2,
2 peas in each
peapod

70 ÷ 10 = 7,
7 peas in each
peapod

40 ÷ 10 = 4,
4 peas in each
peapod

60 ÷ 10 = 6,
6 peas in each
peapod

Lesson 4: Multiply or divide

$5 \times 10 = 50$
Malkeet spends
50p

$20 \div 10 = 2$
2 children in each
dodgem

$50 \div 10 = 5$
5 cherries on each
cake

$7 \times 10 = 70$
70 flowers
altogether

$8 \times 10 = 80$
80 stickers
altogether

$100 \div 10 = 10$
10 buttons in
each tin

Unit 4 Week 2: Number – Fractions

Lesson 1: Colouring fractions

square with $\frac{1}{4}$ shaded, $\frac{3}{4}$ not shaded

circle with $\frac{3}{4}$ shaded, $\frac{1}{4}$ not shaded, $\frac{3}{4}$ written in the box

circle with $\frac{2}{4}$ shaded, $\frac{2}{4}$ not shaded, $\frac{2}{4}$ or $\frac{1}{2}$ written in the box

rectangle with 2 additional lines drawn to split into quarters, $\frac{1}{4}$ shaded, $\frac{3}{4}$ not shaded, $\frac{3}{4}$ written in the box

rectangle with 3 additional lines drawn to split into quarters, $\frac{3}{4}$ shaded, $\frac{1}{4}$ not shaded, $\frac{3}{4}$ written in the box

oval with additional lines drawn to split into halves or quarters, $\frac{2}{4}$ shaded, $\frac{2}{4}$ or $\frac{1}{2}$ not shaded, $\frac{2}{4}$ or $\frac{1}{2}$ written in the box

quadrilateral with additional lines to split into quarters $\frac{3}{4}$ shaded, $\frac{1}{4}$ not shaded, $\frac{1}{4}$ written in the box

Lesson 2: Collecting quarters

Game: Children colour the amount shown on the dice

Lesson 3: Sweet share

$\frac{1}{2}$ of 6 = 3 $\frac{1}{2}$ of 4 = 2 $\frac{1}{2}$ of 10 = 5

$\frac{1}{2}$ of 20 = 10 $\frac{1}{2}$ of 14 = 7 $\frac{1}{2}$ of 2 = 1

$\frac{1}{2}$ of 8 = 4 $\frac{1}{2}$ of 18 = 9 $\frac{1}{2}$ of 12 = 6
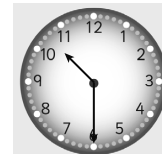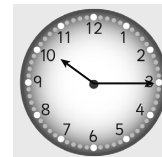
Lesson 4: Counter quarters

$\frac{1}{4}$ of 8 = 2 $\frac{1}{4}$ of 4 = 1 $\frac{1}{4}$ of 16 = 4

$\frac{3}{4}$ of 20 = 15 $\frac{1}{4}$ of 24 = 6 $\frac{3}{4}$ of 12 = 9

$\frac{1}{4}$ of 12 = 3 $\frac{1}{4}$ of 28 = 7 $\frac{3}{4}$ of 8 = 6

Unit 4 Week 3: Measurement (time)

Lesson 1: Quarter past

Nine o'clock
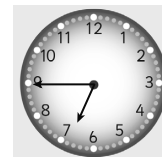

quarter past 12 or $\frac{1}{4}$ past 12

60

30

15

Lesson 2: Quarter to

quarter to 4 or $\frac{1}{4}$ to 4
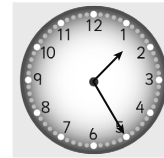
quarter to 11 or ¼ to 11

15

30

60

45

Lesson 3: Past or to?
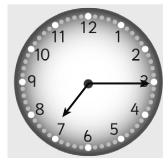
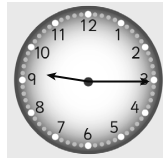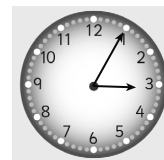$\frac{1}{4}$ past 4

$\frac{1}{4}$ to 7

$\frac{1}{4}$ to 5

Lesson 4: How many minutes?

20 past 7

25 past 8

5 past 6

20 past 2

10 past 9

Activity Book 2B

Unit 5 Week 1: Number – Number and place value

Lesson 1: Three step 3s

0	3	6	9	12
6	9	12	15	18
15	18	21	24	27
24	27	30	33	36

Lesson 2: House numbers

fifteen – 15
sixty-one – 61
forty-eight – 48
twenty-nine – 29
thirty-five – 35
eighty-three – 83
eleven – 11
fifty-two – 52
ninety-six – 96
twelve – 12
seventy-seven – 77
one hundred – 100

Lesson 3: Tiger track numbers

17 < 29   35 > 28

49 < 85   99 > 81

Varied answers possible –
64 is more than x   81 is less than x

78 is more than x   90 is less than x

Lesson 4: Parachute predictions

10 and 30

20 and 40

Approximately 5 and 25

Approximately 15 and 33

Approximately 2, 18 and 45

Unit 5 Week 2: Number – Addition and subtraction, including Measurement (money)

Lesson 1: Addition detective

|		
13 + 6 = 19	31 + 7 = 38	44 + 3 = 47
52 + 5 = 57	75 + 4 = 79	82 + 7 = 89
26 + 3 = 29	63 + 5 = 68	91 + 6 = 97
59 + 5 = 64	65 + 8 = 73	48 + 3 = 51
84 + 7 = 91	77 + 6 = 83	86 + 9 = 95
35 + 6 = 41	29 + 7 = 36	58 + 8 = 66

Lesson 2: Subtraction detective

17 – 4 = 13	28 – 7 = 21	46 – 3 = 43
39 – 5 = 34	55 – 3 = 52	79 – 8 = 71
66 – 2 = 64	98 – 4 = 94	47 – 6 = 41
57 – 8 = 49	34 – 7 = 27	61 – 5 = 56
86 – 9 = 77	72 – 4 = 68	85 – 7 = 78
25 – 6 = 19	43 – 5 = 38	91 – 8 = 83

Lesson 3: Double up

7 double 14	10 double 20
4 double 8	9 double 18
13 double 26	16 double 32
11 double 22	15 double 30
18 double 36	12 double 24
19 double 38	17 double 34
14 double 28	20 double 40

Lesson 4: How much money?

32p	59p
£16	£23

31p   57p
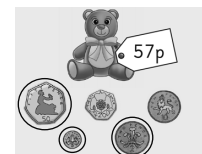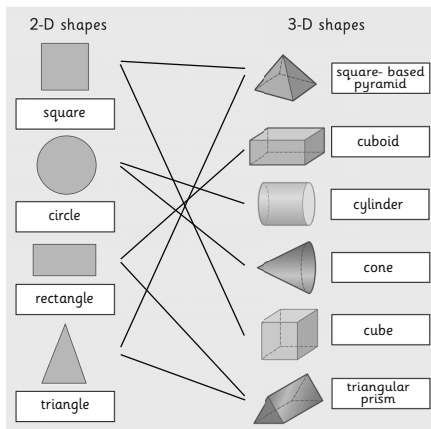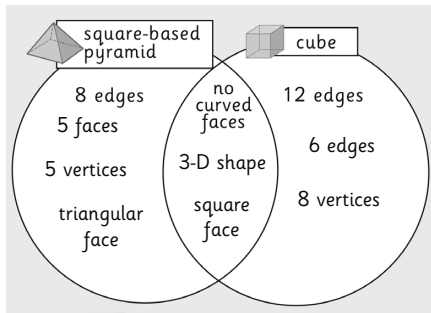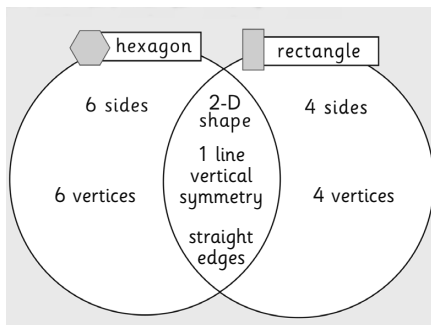
Unit 5 Week 3: Geometry – Properties of shapes

Lesson 1: Count it!

Cube: 6, 12, 8
Cylinder: 3, 2, 0
Cuboid: 6, 12, 8
Square-based pyramid: 5, 8, 5
Cone: 2, 1, 1
Sphere: 1, 0, 0

Lesson 2: Matching faces to 3-D shapes

2-D shapes: square, circle, rectangle, triangle
3-D shapes: square-based pyramid, cuboid, cylinder, cone, cube, triangular prism

Lesson 3: Venn diagrams

hexagon / rectangle
6 sides, 6 vertices | 2-D shape, 1 line vertical symmetry, straight edges | 4 sides, 4 vertices

square-based pyramid / cube
8 edges, 5 faces, 5 vertices, triangular face | no curved faces, 3-D shape, square face | 12 edges, 6 edges, 8 vertices

Lesson 4: Everyday shapes

Red circle around box and puzzle cube

Blue circle around drinks can, can of vegetables, glass of juice and glass jug

Green circle around party hat, ice-cream cone, purple cone box

Answers will vary

Unit 6 Week 1: Number – Multiplication and division, including Number and place value

Lesson 1: Eggs steps

10	12	14	16	18
15	20	25	30	35
40	38	36	34	32
50	45	40	35	30
20	30	40	50	60
100	90	80	70	60
11	21	31	41	51
27	37	47	57	67

Lesson 2: Skateboard multiplication facts

$3 \times 2 = 6$	$5 \times 2 = 10$	$9 \times 2 = 18$
$1 \times 2 = 2$	$7 \times 2 = 14$	$6 \times 2 = 12$
$2 \times 2 = 4$	$11 \times 2 = 22$	$8 \times 2 = 16$
$4 \times 2 = 8$	$10 \times 2 = 20$	$12 \times 2 = 24$

Lesson 3: Bird nest division

$10 \div 2 = 5$

$16 \div 2 = 8$

$20 \div 2 = 10$

$14 \div 2 = 7$

$22 \div 2 = 11$

Lesson 4: Cat and dog calculations

$3 \times 5 = 15$	$5 \times 5 = 25$
$9 \times 5 = 45$	$1 \times 5 = 5$
$7 \times 5 = 35$	$6 \times 5 = 30$
$2 \times 5 = 10$	$11 \times 5 = 55$
$8 \times 5 = 40$	$4 \times 5 = 20$
$10 \times 5 = 50$	$12 \times 5 = 60$

Unit 6 Week 2: Number – Multiplication and division

Lesson 1: Castle calculations

$10 \div 5 = 2$

$25 \div 5 = 5$

$15 \div 5 = 3$

$30 \div 5 = 6$

$45 \div 5 = 9$

Lesson 2: Motorbike tens

$5 \times 10 = 50$	$3 \times 10 = 30$
$10 \times 10 = 100$	$1 \times 10 = 10$
$6 \times 10 = 60$	$8 \times 10 = 80$
$2 \times 10 = 20$	$11 \times 10 = 110$
$9 \times 10 = 90$	$7 \times 10 = 70$
$12 \times 10 = 120$	$4 \times 10 = 40$

Lesson 3: Daisy division

$30 \div 10 = 3$	$50 \div 10 = 5$
$80 \div 10 = 8$	$40 \div 10 = 4$
$60 \div 10 = 6$	$10 \div 10 = 1$
$90 \div 10 = 9$	$100 \div 10 = 10$

Lesson 4: Milk bottle multiplication and division

$3 \times 2 = 6$
$6 \div 2 = 3$

$3 \times 5 = 15$
$15 \div 5 = 3$

$2 \times 10 = 20$
$20 \div 10 = 2$

$6 \times 2 = 12$
$12 \div 5 = 6$

$5 \times 5 = 25$
$25 \div 5 = 5$

$3 \times 10 = 30$
$30 \div 10 = 3$

Crates should be coloured the correct colours

Unit 6 Week 3: Measurement (mass)

Lesson 1: More than 1 kg or less than 1 kg?

banana: less than 1 kg
bag of potatoes: more than 1 kg

spider: less than 1 kg
dice: less than 1 kg

child: more than 1 kg
pile of books: more than 1 kg

scissors: less than 1 kg
dog: more than 1 kg

suitcase: more than 1 kg
comic: less than 1 kg

brick: more than 1 kg
feather: less than 1 kg

Lesson 2: Grams and kilograms

2000 g = 2 kg	6 kg = 6000 g
5000 g = 5 kg	1 kg = 1000 g
4000 g = 4 kg	8 kg = 8000 g
7000 g = 7 kg	12 kg = 12 000 g
10 000 g = 10 kg	9 kg = 9000 g
3000 g = 3 kg	4 kg = 4000 g
1500 g = $1\frac{1}{2}$ kg	$3\frac{1}{2}$ kg = 3500 g
5500 g = $5\frac{1}{2}$ kg	$7\frac{1}{2}$ kg = 7500 g

Lesson 3: Recording mass using greater than, less than and equals signs

Answers will vary according to the equipment used

Lesson 4: Half as heavy, twice as heavy

The apples weigh 400 g
one apple = 200 g
four apples = 800 g

The pineapples weigh 600 g
one pineapple = 300 g
four pineapples = 1200 g or 1 kg 200 g

The melons weigh 3 kg
one melon = $1\frac{1}{2}$ kg
four melons = 6 kg

The bananas weigh 500 g
one banana = 250 g
four bananas = 1 kg

The strawberries weigh 100 g
one strawberry = 50 g
four strawberries = 200 g

Unit 7 Week 1: Number – Addition and subtraction

Lesson 1: Addition stars

23 + 20 = 43	47 + 30 = 77	51 + 10 = 61
38 + 50 = 88	19 + 40 = 59	72 + 20 = 92
64 + 30 = 94	26 + 60 = 86	15 + 80 = 95
56 + 10 = 66	32 + 30 = 62	49 + 50 = 99
77 + 20 = 97	28 + 40 = 68	12 + 70 = 82

Lesson 2: Subtraction stars

42 – 30 = 12	28 – 10 = 18	69 – 50 = 19
75 – 40 = 35	51 – 20 = 31	83 – 70 = 13
97 – 90 = 7	74 – 60 = 14	99 – 80 = 19
36 – 20 = 16	62 – 50 = 12	82 – 30 = 52
91 – 60 = 31	34 – 10 = 24	88 – 80 = 8

Lesson 3: Mystery numbers

Addition
47 + 20 = 67	22 + 50 = 72	60 + 31 = 91
70 + 29 = 99	68 = 38 + 30	85 = 25 + 60

Subtraction
68 – 10 = 58	93 – 50 = 43	44 – 30 = 14
87 – 70 = 17	56 = 86 – 30	19 = 69 – 50

Lesson 4: Add three numbers

7 + 3 + 5 = 15	8 + 6 + 2 = 16	4 + 9 + 6 = 19
6 + 7 + 2 = 15	9 + 5 + 3 = 17	3 + 8 + 7 = 18
1 + 6 + 9 = 16	5 + 4 + 8 = 17	7 + 8 + 9 = 24

4	2	8	14
9	6	1	16
3	7	5	15
16	15	14	

2	4	7	13
5	5	3	13
8	6	9	23
15	15	19	

Unit 7 Week 2: Number – Addition and subtraction, including Measurement (money)

Lesson 1: Caterpillar addition

36 + 21 = 57	28 + 19 = 47	15 + 41 = 56
23 + 39 = 62	47 + 31 = 78	52 + 29 = 81
33 + 51 = 84	24 + 69 = 93	78 + 11 = 89
62 + 19 = 81	16 + 71 = 87	27 + 59 = 86
34 + 61 = 95	38 + 49 = 87	16 + 81 = 97

Lesson 2: Snake subtraction

46 – 21 = 25	54 – 39 = 15	37 – 11 = 26
52 – 29 = 23	58 – 41 = 17	65 – 49 = 16
77 – 31 = 46	83 – 59 = 24	64 – 51 = 13
96 – 79 = 17	85 – 71 = 14	93 – 69 = 24
78 – 61 = 17	94 – 89 = 5	95 – 81 = 14

Lesson 3: Same but different

37p	66p
81p	37p
66p	81p

Lesson 4: Buying fruit

9p + 6p = 15p	20p – 15p = 5p
8p + 5p = 13p	20p – 13p = 7p
24p + 10p = 34p	50p – 34p = 16p
36p + 7p = 43p	50p – 43p = 7p
20p + 17p = 37p	50p – 37p = 13p

Unit 7 Week 3: Statistics

Lesson 1: Sorting buttons

First page:

Answers will vary

Group A has 14 buttons

Group B has 9 buttons

Group C has 11 buttons

Group A has the most buttons

Group B has the fewest buttons

Second page:

Answers will vary

Group D has 26 buttons

Group E has 23 buttons

Group D has the most buttons

The bigger group has 3 more buttons

Lesson 2: Sorting information

First page:

Green shapes	Tally
circle	|||
semicircle	||
triangle	||
square	|||
rectangle		
pentagon		
hexagon	||||

Circle	3
Semicircle	1
Triangle	2
Square	3
Rectangle	1
Pentagon	1
Hexagon	4

More triangles that are not green.

Second page:

Green shapes	Tally
circle	|||
semicircle		
triangle	||
square	|||
rectangle	||||
pentagon	|||||
hexagon	|||||||

4 sides or fewer	Not 4 sides or fewer
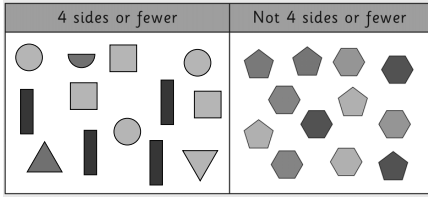
2 triangles

13 shapes

Hexagon

Semicircle

Lesson 3: Seaside table

Object	Frequency
bucket	7
spade	9
sandcastle	4
crab	5
starfish	3
seagull	11
beach hut	5
people eating ice-cream	9
people swimming	7
people on the beach	26
children's own choice	

8 sea creatures

4 empty buckets

17 people on the beach not eating ice-cream

Children's own choice

Lesson 4: You and me

Children's own work

Unit 8 Week 1: Number – Multiplication and division, including Number and place value

Lesson 1: Garden numbers

52   54   56   58   60

75   80   85   90   95

90   80   70   60   50

64   62   60   58   56

55   50   45   40   35

53   63   73   83   93

68   58   48   38   28

Lesson 2: Triangle facts

$5 \times 2 = 10$ $10 \div 2 = 5$
$2 \times 5 = 10$ $10 \div 5 = 2$

$9 \times 2 = 18$ $18 \div 2 = 9$
$2 \times 9 = 18$ $18 \div 9 = 2$

$7 \times 2 = 14$ $14 \div 2 = 7$
$2 \times 7 = 14$ $14 \div 7 = 2$

$11 \times 2 = 22$ $22 \div 2 = 11$
$2 \times 11 = 22$ $22 \div 11 = 2$

Lesson 3: Pizza facts

$3 \times 5 = 15$ $15 \div 5 = 3$
$5 \times 3 = 15$ $15 \div 3 = 5$

$7 \times 5 = 35$ $35 \div 5 = 7$
$5 \times 7 = 35$ $35 \div 7 = 5$

$8 \times 5 = 40$ $40 \div 5 = 8$
$5 \times 8 = 40$ $40 \div 8 = 5$

$12 \times 5 = 60$ $60 \div 5 = 12$
$5 \times 12 = 60$ $60 \div 12 = 5$

Lesson 4: Archery facts

$3 \times 10 = 30$ $30 \div 10 = 3$
$10 \times 3 = 30$ $30 \div 3 = 10$

$7 \times 10 = 70$ $70 \div 10 = 7$
$10 \times 7 = 70$ $70 \div 7 = 10$

$9 \times 10 = 90$ $90 \div 10 = 9$
$10 \times 9 = 90$ $90 \div 9 = 10$

$12 \times 10 = 120$ $120 \div 10 = 12$
$10 \times 12 = 120$ $120 \div 12 = 10$

Unit 8 Week 2: Number – Fractions

Lesson 1: Fraction measures

Set 2: $\frac{1}{2} = 30$ cm, $\frac{1}{4} = 15$ cm

Set 3: $\frac{1}{2} = 20$ cm, $\frac{1}{4} = 10$ cm

Set 4: $\frac{1}{2} = 40$ cm, $\frac{1}{4} = 20$ cm

Set 5: $\frac{1}{2} = 50$ cm, $\frac{1}{4} = 25$ cm

Set 6: $\frac{1}{2} = 10$ cm, $\frac{1}{4} = 5$ cm

Lesson 2: Rocket thirds

Game: thirds of rockets coloured in according to results of spinning a spinner

Lesson 3: Snake thirds

Snake 3 cm: $\frac{1}{3}$ of snake = 1 cm

Snake 30 cm: $\frac{1}{3}$ of snake = 10 cm

Snake 90 cm: $\frac{1}{3}$ of snake = 30 cm

1 part = 2 cm   Length of snake = 12 cm
$\frac{1}{3}$ of snake = 4 cm

1 part = 5 cm   Length of snake = 30 cm
$\frac{1}{3}$ of snake = 10 cm

1 part = 10 cm Length of snake = 60 cm
$\frac{1}{3}$ of snake = 20 cm

1 part = 2 cm   Length of snake = 18 cm
$\frac{1}{3}$ of snake = 6 cm

1 part = 5 cm   Length of snake = 45 cm
$\frac{1}{3}$ of snake = 15 cm

1 part = 10 cm Length of snake = 90 cm
$\frac{1}{3}$ of snake = 30 cm

Lesson 4: Fraction detective

$\frac{1}{2}$ of 6 = 3 $\frac{1}{3}$ of 6 = 2
$\frac{2}{4}$ of 6 = 3 $\frac{2}{3}$ of 6 = 4

$\frac{2}{4}$ of 12 = 6 $\frac{2}{3}$ of 12 = 8 $\frac{3}{4}$ of 12 = 9
$\frac{1}{2}$ of 12 = 6 $\frac{1}{3}$ of 12 = 4 $\frac{1}{4}$ of 12 = 3

$\frac{1}{2}$ of 36 = 18 $\frac{2}{3}$ of 36 = 24 $\frac{1}{4}$ of 36 = 9
$\frac{1}{3}$ of 36 = 12 $\frac{3}{4}$ of 36 = 27 $\frac{2}{4}$ of 36 = 18

$\frac{1}{3}$ of 24 = 8 $\frac{3}{4}$ of 24 = 18 $\frac{2}{3}$ of 24 = 16

Unit 8 Week 3: Measurement (volume and capacity)

Lesson 1: More or less than 1 litre?

teaspoon: mug:
less than 1 l less than 1 l

swimming pool: bucket:
more than 1 l more than 1 l

cup: small bowl – cereal type:
less than 1 l less than 1 l

2l bottle of pop: paddling pool:
more than 1 l more than 1 l

Lesson 2: Reading scales

400 ml   700 ml

100 ml   900 ml

1 l 600 ml   1 l 200 ml

1 l 800 ml   1 l 300 ml

Lesson 3: Recording volume using > and < signs

Answers will vary according to the amounts poured

Lesson 4: Half full, twice as full

500 ml   1 l
2 l 4 l

2 l 400 ml
8 l 1600 ml or 1 l 600 ml

300 ml   700 ml
1200 ml or 1 l 200 ml 2800 ml or 2 l 800 ml

Activity Book 2C

Unit 9 Week 1: Number – Number and place value

Lesson 1: Caterpillar 3s

0	3	6	9	12	15
9	12	15	18	21	24
18	15	12	9	6	3
36	33	30	27	24	21
24	27	30	33	36	39
30	33	36	39	42	45

Lesson 2: Table tennis 10 and 1

38 has 3 tens and 8 ones

72 has 7 tens and 2 ones

51 has 5 tens and 1 one

49 has 4 tens and 9 ones

Lesson 3: Sort the orders!

14 = 14   19 < 37
48 > 23   26 = 26

59 > 43   78 < 81
43 < 62 *or*   90 = 90
62 > 43
43 < 59

Lesson 4: Rocket routes and space steps

6   12   16
9   15   21

5	6		
15	16	17	
25	26	27	28

		33	34
	42	43	44
51	52	53	54

57	58		
67	68	69	
77	78	79	80

		74	75
	83	84	85
92	93	94	95

Unit 9 Week 2: Number – Addition and subtraction

Lesson 1: Apple addition

14 + 25 = 39   31 + 17 = 48

26 + 23 = 49   13 + 42 = 55

32 + 54 = 86   75 + 22 = 97

18 + 26 = 44   28 + 35 = 63

47 + 15 = 62   38 + 43 = 81

27 + 64 = 91   76 + 16 = 92

Lesson 2: Kangaroo addition

12 + 25 = 37
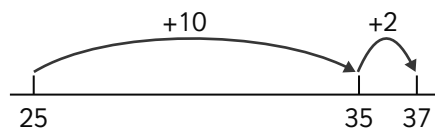
34 + 24 = 58
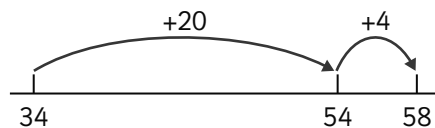
37 + 42 = 79
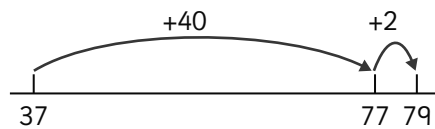
16 + 27 = 43
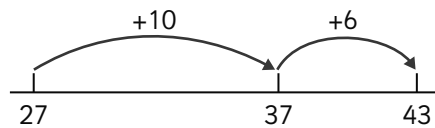
46 + 28 = 74

39 + 55 = 94
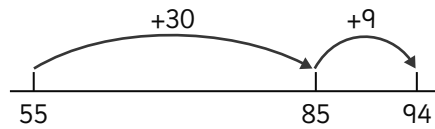
Lesson 3: Snail subtraction

25 – 14 = 11   37 – 23 = 14

48 – 21 = 27   56 – 35 = 21

79 – 57 = 22   87 – 66 = 21

34 – 19 = 15   45 – 27 = 18

51 – 15 = 36   63 – 38 = 25

76 – 49 = 27   92 – 65 = 27

Lesson 4: Frog subtraction

26 – 14 = 12
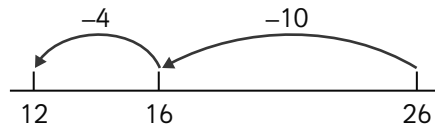
38 – 25 = 13
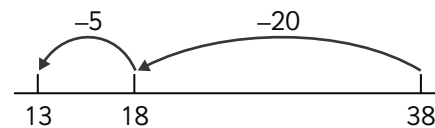
49 – 17 = 32
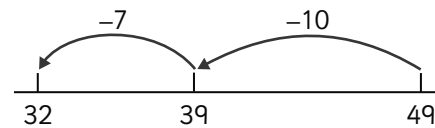
34 – 18 = 16
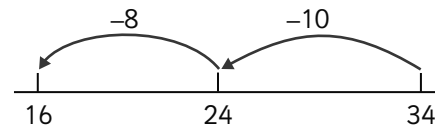
52 – 25 = 27
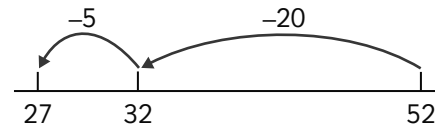
73 – 47 = 26
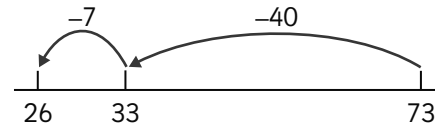
Unit 9 Week 3: Geometry – Position and direction

Lesson 1: Turn, turn, turn

Quarter turn anti-clockwise OR three-quarter turn clockwise

Quarter turn clockwise OR three-quarter turn anti-clockwise

Half turn clockwise OR half turn anti-clockwise

Quarter turn clockwise OR three-quarter turn anti-clockwise

Whole turn clockwise OR whole turn anti-clockwise

Lesson 2: Through the keyhole?

No   No   No   Yes

2 right angle turns   1 right angle turn

1 right angle turn   1 right angle turn

Lesson 3: Snow maze
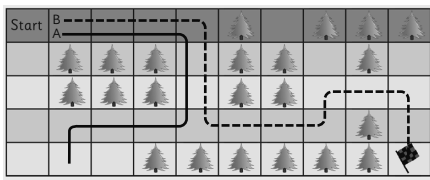
Circle round snowboarder B's directions

Answers will vary

Lesson 4: Writing directions

Start on Moon
Forward 3 squares
1 right angle turn clockwise
Forward 2 squares

Start on Saturn
Forward 5 squares
1 right angle turn clockwise
Forward 2 squares

Start on the Sun
Forward 3 squares
1 right angle turn clockwise
Forward 3 squares
1 right angle turn anti-clockwise
Forward 4 squares

Or other justifiable directions

Unit 10 Week 1: Number – Multiplication and division, including Number and place value

Lesson 1: Fruit 2s

19 apples	25 pineapples
28 bananas	20 strawberries
30 lemons	34 grapes

Lesson 2: Half time halves and doubles

$12 \div 2 = 6$	$6 \times 2 = 12$
$18 \div 2 = 9$	$9 \times 2 = 18$
$16 \div 2 = 8$	$8 \times 2 = 16$
$24 \div 2 = 12$	$12 \times 2 = 24$
$20 \div 2 = 10$	$10 \times 2 = 20$

Lesson 3: 5s in a hive

25 bees	30 bees
15 bees	47 bees
19 bees	60 bees

Lesson 4: Camping calculations

$6 \times 5 = 30$	$30 \div 5 = 6$
$3 \times 5 = 15$	$15 \div 5 = 3$
$9 \times 5 = 45$	$45 \div 5 = 9$
$4 \times 5 = 20$	$20 \div 5 = 4$
$12 \times 5 = 60$	$60 \div 5 = 12$

Unit 10 Week 2: Number – Multiplication and division, including Number and place value

Lesson 1: How many beads?

33 beads

45 beads

61 beads

80 beads

100 beads

144 beads

Lesson 2: Ant hill 10s

$3 \times 10 = 30$	$40 \div 10 = 4$
$20 \div 10 = 2$	$6 \times 10 = 60$
$7 \times 10 = 70$	$80 \div 10 = 8$
$50 \div 10 = 5$	$12 \times 10 = 120$
$10 \times 10 = 100$	$110 \div 10 = 11$

Lesson 3: Bubble machines

$5 \times 2 = 10$	10×5	50
$40 \div 2 = 20$	$20 \div 5$	4
$3 \times 2 = 6$	6×10	60
$50 \div 10 = 5$	5×5	25

Lesson 4: Museum multiplication and division

$25 \div 5 = 5$. Each sweet costs 5p.	$24 \div 2 = 12$ Each ice-cream costs 12p.
$12 \times 2 = 24$. She spends 24p	$8 \times 10 = 80$ He spends 40p.
$50 \div 5 = 10$ Each notebook costs 10p	$6 \times 5 = 30$ He spends 30p.

Unit 10 Week 3: Measurement (including Temperature)

Lesson 1: Thermometer problems

1st thermometer 7°C shaded

2nd thermometer 20°C shaded

3rd thermometer 8°C shaded

4th thermometer –5°C shaded

5th thermometer 7°C shaded

6th thermometer –2°C shaded

Lesson 2: Width problems

12 cm	48 cm
3 cm	12 cm
25 cm	100 cm

Lesson 3: Mass problems

Recipe for 4 people:
150 g flour
100 g sugar
100 g butter
75 g chocolate
2 eggs

Recipe for 16 people:
600 g flour
400 g sugar
400 g butter
300 g chocolate
8 eggs

Total ingredients:
750 g flour, 500 g sugar, 500 g butter, 375 g chocolate, 10 eggs

Lesson 4: Capacity and volume problems

500 ml	125 ml
400 ml	200 ml
900 ml	1350 ml or 1 *l* 350 ml
300 ml	300 ml, 150 ml

Unit 11 Week 1: Number – Addition and subtraction

Lesson 1: Using place value to add

$16 + 42 = 40 + 10 + 2 + 6$
$\qquad = 50 + 8$
$\qquad = 58$
or
$16 + 42 = 42 + 10 + 6$
$\qquad = 52 + 6$
$\qquad = 58$

$35 + 23 = 30 + 20 + 5 + 3$
$\qquad = 50 + 8$
$\qquad = 58$
or
$35 + 23 = 35 + 20 + 3$
$\qquad = 55 + 3$
$\qquad = 58$

$22 + 56 = 50 + 20 + 6 + 2$
$\qquad = 70 + 8$
$\qquad = 78$
or
$22 + 56 = 56 + 20 + 2$
$\qquad = 76 + 2$
$\qquad = 78$

$48 + 27 = 40 + 20 + 8 + 7$
$\qquad = 60 + 15$
$\qquad = 75$
or
$48 + 27 = 48 + 20 + 7$
$\qquad = 68 + 7$
$\qquad = 75$

$26 + 65 = 60 + 20 + 5 + 6$
$\qquad = 80 + 11$
$\qquad = 91$
or
$26 + 65 = 65 + 20 + 6$
$\qquad = 85 + 6$
$\qquad = 91$

34 + 59 = 50 + 30 + 9 + 4
= 80 + 13
= 93
or
34 + 59 = 59 + 30 + 4
= 89 + 4
= 93

Lesson 2: Problems at the park

42 birds   43 people

81 items   94 people

Lesson 3: Using place value to subtract

36 – 12 = 36 – 10 – 2
= 26 – 2
= 24

72 – 45 = 72 – 40 – 5
= 32 – 5
= 27

65 – 43 = 65 – 40 – 3
= 25 – 3
= 22

54 – 38 = 54 – 30 – 8
= 24 – 8
= 16

49 – 27 = 49 – 20 – 7
= 29 – 7
= 22

93 – 64 = 93 – 60 – 4
= 33 – 4
= 29

Lesson 4: Problems on the move

45 passengers   19 passengers

78 cyclists   47 women

Unit 11 Week 2: Number – Addition and subtraction

Lesson 1: Written addition

26 + 17 =

20	+	6			2	6
10	+	7		+	1	7
30	+	13	= 43		1	3
					3	0
					4	3

34 + 28 =

30	+	4			3	4
20	+	8		+	2	8
50	+	12	= 62		1	2
					5	0
					6	2

55 + 27 =

50	+	5			5	5
20	+	7		+	2	7
70	+	12	= 82		1	2
					7	0
					8	2

43 + 38 =

40	+	3			4	3
30	+	8		+	3	8
70	+	11	= 81		1	1
					7	0
					8	1

28 + 64 =

20	+	8			2	8
60	+	4		+	6	4
80	+	12	= 92		1	2
					8	0
					9	2

36 + 57 =

30	+	6			3	6
50	+	7		+	5	7
80	+	13	= 93		1	3
					8	0
					9	3

Lesson 2: Written subtraction

58 – 32 =

	5	8
–	3	2
	2	6

47 – 13 =

	4	7
–	1	3
	3	4

65 – 42 =

	6	5
–	4	2
	2	3

57 – 24 =

	5	7
–	2	4
	3	3

78 – 55 =

	7	8
–	5	5
	2	3

96 – 73 =

	9	6
–	7	3
	2	3

Lesson 3: Zoo problems

48 + 44 = 40 + 40 + 8 + 4
= 80 + 12
= 92
or
48 + 44 = 48 + 40 + 4
= 88 + 4
= 92

	7	8
–	6	6
	1	2

	4	5
–	2	2
	2	3

37 + 45 = 40 + 30 + 5 + 7
= 70 + 12
= 82
or
37 + 45 = 45 + 30 + 7
= 75 + 7
= 82

Lesson 4: Castle problems

19 + 27 = 46   67 – 24 = 43

36 + 41 = 77   63 – 25 = 38

Unit 11 Week 3: Statistics

Lesson 1: Class 2T

First page:
27 children

June

February and November

July, August and October

Second page:
February and November

11 summer-born

16 winter-born

Month	Frequency
January	2
February	0
March	2
April	2
May	1
June	5
July	3
August	3
September	4
October	3
November	0
December	2

Children's own work

Lesson 2: Dice diagram

Children's own work

Lesson 3: Lost!

Triangle

Square and hexagon

Circle and rectangle

Circle and pentagon

Pentagon

Completed pictogram as below

Red	●	▲	▮	⬟	■	⬡
Yellow	⬠	▢	△	◇	○	▯
Green	■	⬟	⬟	▮	●	▲
Blue	⬟	▮	▲	■	⬟	●
Orange	▲	■	▮	●	⬡	⬟
Black	▮	⬟	●	▲	⬟	■

Lesson 4: Our chickens

Children's own work

Unit 12 Week 1: Number – Multiplication and division, including Number and place value

Lesson 1: Shopping multiples

Multiples of 2 – 2, 22, 50, 8, 14, 120, 24, 80, 10, 6, 60, 12, 30, 20, 100

Multiples of 5 – 75, 35, 50, 55, 15, 120, 80, 25, 10, 60, 30, 20, 100

Multiples of 10 – 50, 120, 80, 10, 60, 30, 20, 100

Lesson 2: Apple arrays

$3 \times 10 = 30$ $10 \times 3 = 30$
$30 \div 10 = 3$ $30 \div 3 = 10$

$7 \times 2 = 14$ $2 \times 7 = 14$
$14 \div 2 = 7$ $14 \div 7 = 2$

$10 \times 6 = 60$ $6 \times 10 = 60$
$60 \div 6 = 10$ $60 \div 10 = 6$

$9 \times 5 = 45$ $5 \times 9 = 45$
$45 \div 5 = 9$ $45 \div 9 = 5$

$5 \times 3 = 15$ $3 \times 5 = 15$
$15 \div 3 = 5$ $15 \div 5 = 3$

$12 \times 2 = 24$ $2 \times 12 = 24$
$24 \div 2 = 12$ $24 \div 12 = 2$

Lesson 3: Number problems

$7 \times 5 = 35$ $24 \div 2 = 12$
35 birds in the trees   12 flowers in each vase

$40 \div 5 = 8$ $12 \times 5 = 60$
8 books on each shelf   60 chocolate buttons

$11 \times 2 = 22$ $30 \div 5 = 6$
22 games altogether   6 pencils in each pot

Lesson 4: What's the problem?

$16 \div 2 = 8$ $35 \div 5 = 7$
8 cars in each box   7 cookies each

$100 \div 10 = 10$ $9 \times 5 = 45$
10 kg in each crate   He makes £45

$9 \times 10 = 90$ $12 \times 2 = 24$
He spends 90p   24 flowers altogether

Unit 12 Week 2: Fractions

Lesson 1: Fraction wall

0    $\frac{1}{4}$ $\frac{1}{3}$ $\frac{1}{2}$ $\frac{2}{3}$ $\frac{3}{4}$ 1

$\frac{1}{3}$

$\frac{2}{3}$

$\frac{1}{3}$

$\frac{1}{2}$
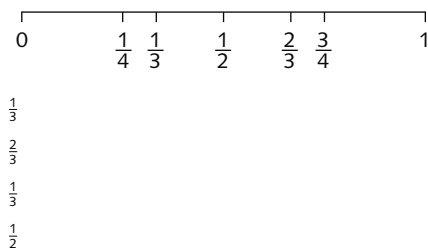
Lesson 2: Fraction washing lines

$\frac{1}{2}$ $\frac{3}{4}$ $1\frac{1}{4}$ $1\frac{3}{4}$

$3\frac{2}{3}$ $4\frac{1}{3}$ $4\frac{2}{3}$

$6\frac{1}{4}$ $6\frac{3}{4}$ $7\frac{1}{2}$

Lesson 3: Fruit fractions

$\frac{1}{3}$ of 9 = 3 $\frac{1}{4}$ of 24 = 6 $\frac{1}{3}$ of 15 = 5

$\frac{3}{4}$ of 24 = 18 $\frac{1}{3}$ of 12 = 4 $\frac{1}{4}$ of 4 = 1

$\frac{1}{2}$ of 4 = 2 $\frac{1}{3}$ of 6 = 2 $\frac{1}{2}$ of 12 = 6

Fruit bowl with 1 orange, 1 pear and 4 bananas and 2 apples.

Lesson 4: Fraction problems

$\frac{3}{4}$ of 12 = 9

$\frac{1}{2}$ of 10 = 5

$\frac{1}{2}$ of £8 = £4

$\frac{3}{3}$ of the cherries = 30 cherries

$\frac{1}{4}$ of 8 = 2

Unit 12 Week 3: Measurement (time)

Lesson 1: How many minutes?

10 to 4   10 to 6   20 to 11

Children draw in hands to say 25 to 5

Children draw in hands to say 10 to 8

Children draw in hands to say 5 to 3

Children draw in hands to say 20 to 1

Quarter to 4 = <u>15</u> minutes before 4 o'clock = 45 minutes after 3 o'clock

Quarter to 8 = <u>15</u> minutes before 8 o'clock = 45 minutes after 7 o'clock

Lesson 2: Time differences

Children's own times, provided the difference between each pair of times is correct

Lesson 3: My day

Children's own day shown on day clock and questions answered accordingly.

Lesson 4: Trip to the zoo

25 past 9

Quarter to 11

1 hour and 15 minutes or 75 minutes

4 hours

Quarter past 5

Progress Guide 2

Unit 1, Week 1: Number – Number and place value

Lesson 1, Support: Mount 10s and 1s

1 ten and 4 ones – 14

4 tens and 7 ones – 47

1 ten and 9 ones – 19

2 tens and 3 ones – 23

5 tens and 0 ones – 50

3 tens and 5 ones – 35

Lesson 2, Extension: Chicken and egg numbers

21 > 7   31 > 13

19 < 42   10 < 39

45 > 27   49 < 50

Lesson 3, Extension: Number name nests

twenty-one	thirty-six	forty-five
2 and 1	3 and 6	4 and 5
nineteen	twelve	thirty-seven
1 and 9	1 and 2	3 and 7

Lesson 4, Support: Pear Tree Problems

Different possible arrangements of two counters
2 tens and 0 ones make 20
1 ten and 1 one make 11
0 tens and 2 ones make 2

Different possible arrangements of three counters
3 tens and 0 ones make 30
2 tens and 1 one make 21
1 ten and 2 ones make 12
0 tens and 3 ones make 3

Different possible arrangements of four counters
4 tens and 0 ones make 40
3 tens and 1 one make 31
2 tens and 2 ones make 22
1 ten and 3 ones make 13
0 tens and 4 ones make 4

Unit 1 Week 2: Number – Addition and subtraction

Lesson 1, Extension: Missing number puzzles

Lesson 2. Support: Penguin addition and subtraction

7 + 4 = 11	13 − 5 = 8
11 + 3 = 14 *or* 3 + 11 = 14	18 − 5 = 13
2 + 16 = 18 *or* 16 + 2 = 18	17 − 9 = 8

Lesson 2, Extension: Crack the code

12 + 8 = 20	v	12 − 12 = 0	l
13 − 7 = 6	u	5 + 7 = 12	i
9 + 6 = 15	e	17 − 9 = 8	p
12 − 5 = 7	q	6 + 8 = 14	s
12 + 5 = 17	n	19 − 6 = 13	t
16 − 6 = 10	a	4 + 7 = 11	x

14	15	20	15	17
s	e	v	e	n

8	0	6	14
p	l	u	s

17	12	17	15
n	i	n	e

15	7	6	10	0	14
e	q	u	a	l	s

14	12	11	13	15	15	17
s	i	x	t	e	e	n

Lesson 3, Support: Fact family houses
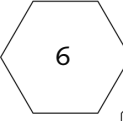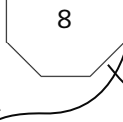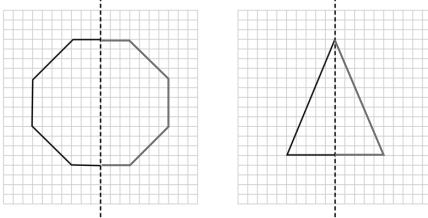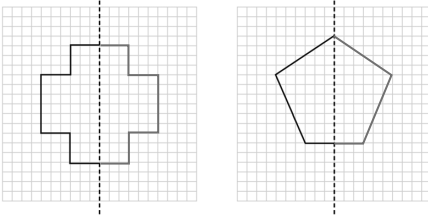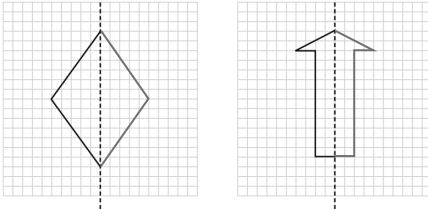
Unit 1 Week 3: Geometry – Properties of shapes

Lesson 1, Support: 2-D shape names
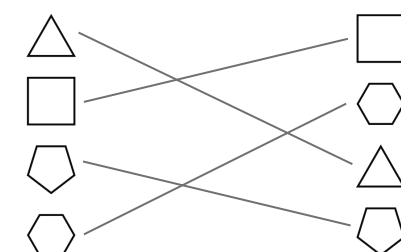
Lesson 2, Extension: Drawing symmetrical shapes

**Lesson 3, Support: Drawing lines**

First row:

Second row: outlines of a hexagon, rectangle and pentagon

Third row: drawings of a square, rectangle and triangle

Lesson 4, Extension: Super shape sorter

1 More than four sides or vertices / Straight-sided shapes

2 Quadrilaterals / Four-sided shapes / Straight-sided shapes / Four vertices

3 Shapes with round sides / Less than three sides or vertices

4 Three-sided shapes / Three vertices

Regular shapes

Irregular shapes
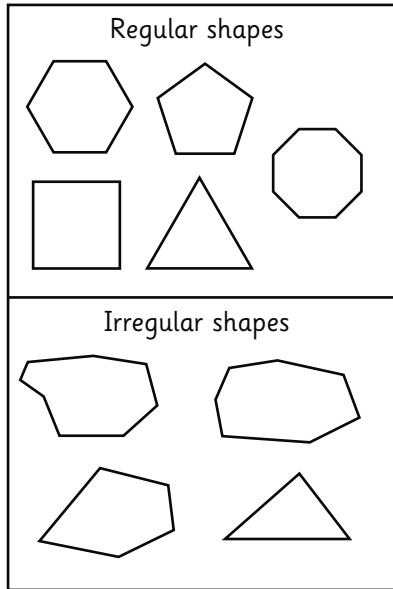
Unit 2 Week 1: Number – Addition and subtraction

Lesson 1, Support: Addition and subtraction

15 + 2 = 17   11 + 7 = 18
17 – 2 = 15   18 – 7 = 11

13 + 4 = 17   9 + 5 = 14
17 – 4 = 13   14 – 5 = 9

16 + 2 = 18   7 + 6 = 13
18 – 2 = 16   13 – 6 = 7

Lesson 2, Extension: Related addition facts

30 + 10 = 40   40 + 30 = 70   60 + 20 = 80
3 + 1 = 4   4 + 3 = 7   6 + 2 = 8

10 + 70 = 80   40 + 60 = 100   20 + 50 = 70
7 + 1 = 8   6 + 4 = 10   5 + 2 = 7

Children's own answers for the rest of the sheet.

Lesson 3, Extension: Related subtraction facts

40 – 20 = 20   30 – 10 = 20   60 – 40 = 20
4 – 2 = 2   3 – 1 = 2   6 – 4 = 2

90 – 70 = 20   70 – 30 = 40   100 – 60 = 40
9 – 7 = 2   7 – 3 = 4   10 – 6 = 4

Children's own answers for the rest of the sheet.

Lesson 4, Support: Calculations patterns

11 + 0 = 11   11 – 0 = 11
10 + 1 = 11   11 – 1 = 10
9 + 2 = 11   11 – 2 = 9
8 + 3 = 11   11 – 3 = 8
7 + 4 = 11   11 – 4 = 7
6 + 5 = 11   11 – 5 = 6
5 + 6 = 11   11 – 6 = 5
4 + 7 = 11   11 – 7 = 4
3 + 8 = 11   11 – 8 = 3
2 + 9 = 11   11 – 9 = 2
1 + 10 = 11   11 – 10 = 1
0 + 11 = 11   11 – 11 = 0

Unit 2 Week 2: Number – Addition and subtraction

Lesson 1, Support: Adding to a multiple of 10

10 + 6 = 16   30 + 8 = 38   20 + 3 = 23

50 + 5 = 55   40 + 7 = 47   70 + 4 = 74

30 + 2 = 32   60 + 1 = 61   40 + 5 = 45

50 + 4 = 54   80 + 8 = 88   90 + 6 = 96

Lesson 2, Support: Subtracting from a multiple of 10

20 – 5 = 15   40 – 7 = 33   10 – 2 = 8

30 – 1 = 29   50 – 8 = 42   60 – 3 = 57

10 – 9 = 1   30 – 7 = 23   70 – 4 = 66

40 – 8 = 32   80 – 3 = 77   90 – 2 = 88

Lesson 3, Extension: Complete the addition

5 + 6 = 11   8 + 6 = 14   8 + 9 = 17

4 + 9 = 13   9 + 7 = 16   5 + 7 = 12

13 + 4 = 17   5 + 13 = 18   12 + 2 = 14

3 + 12 = 15   15 + 2 = 17   6 + 13 = 19

4 + 15 = 19   11 + 5 = 16   6 + 12 = 18

17 = 4 + 13   15 = 8 + 7   14 = 5 + 9

19 = 6 + 13   20 = 7 + 13   18 = 15 + 3

Lesson 4, Extension: Complete the subtraction

17 – 3 = 14   18 – 6 = 12   12 – 5 = 7

13 – 8 = 5   16 – 12 = 4   19 – 2 = 17

15 – 7 = 8   11 – 10 = 1   20 – 3 = 17

13 – 7 = 6   18 – 10 = 8   16 – 3 = 13

16 – 15 = 1   14 – 5 = 9   16 – 12 = 4

13 = 18 – 5   16 = 20 – 4   14 = 19 – 5

12 = 15 – 3   11 = 13 – 2   15 = 18 – 3

Unit 2 Week 3: Measurement (length and height)

Lesson 1, Support: Longer or shorter?

7 cm shorter   8 cm longer
9 cm longer   6 cm shorter
11 cm longer   8 cm shorter
3 cm shorter   5 cm longer
7 cm longer   2 cm shorter
10 cm longer   2 cm shorter

Lesson 1, Extension: How much longer?

Answers will vary

Lesson 3. Support: Ordering lengths

3 cm   5 cm   9 cm
10 cm   12 cm   14 cm

Lesson 3, Extension: Recording length using the symbols >, <

$\frac{1}{2}$ cm   1 cm $4\frac{1}{2}$ cm   5 cm
6 cm $7\frac{1}{2}$ cm   12 cm   13 cm

Answers will vary

Answers will vary

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

Lesson 1, Extension: Muddled multiples of 2

Colour multiples:
20, 8, 16
44, 10, 32
14, 48, 50

Answers will vary for the bottom section

Lesson 2, Support: Multiply by 2

1 × 2 = 2   2 × 2 = 4

4 × 2 = 8   7 × 2 = 14

3 × 2 = 6   5 × 2 = 10

8 × 2 = 16   6 × 2 = 12

Lesson 3, Extension: Duck pond division

4 ÷ 2 = 2: 2 ducks in each pond

12 ÷ 2 = 6: 6 ducks in each pond

10 ÷ 2 = 5: 5 ducks in each pond

16 ÷ 2 = 8: 8 ducks in each pond

8 ÷ 2 = 4: 4 ducks in each pond

20 ÷ 2 = 10: 10 ducks in each pond

Lesson 4, Support: Problems page

10 ÷ 2 = 5   4 × 2 = 8
5 flowers each   8 cakes

3 × 2 = 6   8 ÷ 2 = 4
6 bugs   4 cars in each box

5 × 2 = 10   12 ÷ 2 = 6
10 eggs   6 cherries each

Unit 3 Week 2: Number – Multiplication and division, incl. Number and place value

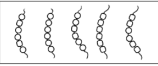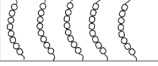**Lesson 1, Extension: Scrambled egg 5s**

Colour multiples
90, 60
45, 5, 100
20, 75, 35
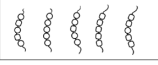
Answers will vary for bottom section

Lesson 2, Support: Multiply by 5

2 × 5 = 10	5 × 5 = 25
7 × 5 = 35	1 × 5 = 5
3 × 5 = 15	6 × 5 = 30
8 × 5 = 40	4 × 5 = 20

Lesson 3, Extension: Sharing beads

Lesson 4, Support: Plant shop problems

2 × 5 = 10 10 tulips	4 × 5 = 20 20 plants
30 ÷ 5 = 6 6 seeds per packet	25 ÷ 5 = 5 5 daffodils in each bunch
4 × 5 = 20 20 seeds in the pots	20 ÷ 5 = 4 4 roses in each bunch

Unit 3 Week 3: Geometry – Position and direction

Lesson 1, Extension: Pattern problem

Answers will vary

Lesson 3, Support: Build your own safari

Answers will vary

Lesson 4, Support: Dice island

Answers will vary

Lesson 4, Extension: Island directions

Answers will vary

Unit 4 Week 1: Number – Multiplication and division, incl. Number and place value

Lesson 1, Extension: T-shirt 10s

Colour multiples, and then place in order:
10, 20, 30
30, 40, 50
50, 60, 70
80, 90, 100

Lesson 2, Support: Multiply by 10

3 × 10 = 30 30 petals altogether	5 × 10 = 50 50 petals altogether
6 × 10 = 60 60 petals altogether	1 × 10 = 10 10 petals altogether
2 × 10 = 20 20 petals altogether	4 × 10 = 40 40 petals altogether
8 × 10 = 80 80 petals altogether	7 × 10 = 70 70 petals altogether

Lesson 3, Extension: Sharing spotty socks

30 ÷ 10 = 3:
matched to set of socks with 3 spots each

60 ÷ 10 = 6:
matched to set of socks with 6 spots each

10 ÷ 10 = 1:
matched to set of socks with 1 spot each

40 ÷ 10 = 4:
matched to set of socks with 4 spots each

90 ÷ 10 = 9:
matched to set of socks with 9 spots each

100 ÷ 10 = 10:
matched to set of socks with 10 spots each

Lesson 4, Support: Bakers' problems

2 × 10 = 20 20 biscuits	4 × 10 = 40 40 cakes
80 ÷ 10 = 8 8 in each basket	60 ÷ 10 = 6 6 chocolate buttons per cookie
70 ÷ 10 = 7 7 cakes in each box	9 × 10 = 90 90 pasties

Unit 4 Week 2: Number – Fractions

Lesson 1, Support: Broken biscuits

Children's own solutions provided they are whole biscuits. Likely to be
1 biscuit made from $\frac{3}{4} + \frac{1}{4}$,
1 biscuit made from 2 halves,
1 biscuit make from $\frac{1}{2}$ + 2 quarters,
1 biscuit made from 4 quarters.

Lesson 2, Support: Quarters match

Any of the 4 cards on each row should be matched with another from the same row.

Lesson 2, Extension: Home Circle

Farmer Circle can go through gates with these fractions:
$\frac{1}{2} + \frac{1}{2} = 1$
$\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = 1$
$\frac{1}{4} + \frac{3}{4} = 1$
$\frac{3}{4} + \frac{1}{4} = 1$

Lesson 3, Extension: Picnic fractions

Top row:
each plate should show 2 apples,
1 biscuit, 2 triangle sandwiches,
2 cartons of milk,
4 slices of pizza,
2 square sandwiches

Bottom row:
quarter picnic –
1 apple, $\frac{1}{2}$ biscuit, 1 triangle sandwich,
1 carton of milk, 2 slices of pizza,
1 square sandwich

three quarter picnic – 3 apples, $1\frac{1}{2}$ biscuits,
3 triangle sandwiches, 3 cartons of milk,
6 slices of pizza, 3 square sandwiches

Unit 4 Week 3: Measurement (time)

Lesson 1, Support: Quarter past dominoes

No answers

Lesson 2, Support: Quarter to dominoes

No answers

Lesson 2, Extension: Quarter past and to bingo

No answers

Lesson 3, Extension: Quarters race

No answers

Unit 5 Week 1: Number – Number and place value

Lesson 1, Support: Trees of 3

0, 3, 6, 9

6, 9, 12, 15

15, 18, 21, 24

21, 24, 27, 30

27, 30, 33, 36

Lesson 2, Extension: Dastardly digits

43 – forty-three	98 – ninety-eight	35 – thirty-five
64 – sixty-four	72 – seventy-two	81 – eighty-one

17 – seventeen	52 – fifty-two
29 – twenty-nine	67 – sixty-seven
36 – thirty six	85 – eighty-five

Lesson 3, Extension: Rocket trails

Varied correct combinations e.g.

56 > 41	89 < 97
73 > 55	61 < 76
99 > 84	59 < 63

Lesson 4, Support: Air balloon estimates

Star balloons
5 and 15
7 and 16

Moon balloons
20 and 40
15 and 32

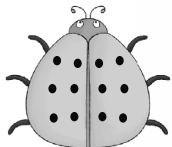## Unit 5 Week 2: Number — Addition and subtraction, incl. Measurement (money)

Lesson 1, Extension: Adding dice digits
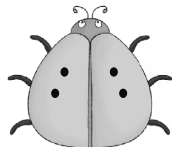
Answers will vary

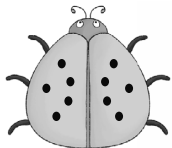**Lesson 2, Extension: Subtracting dice digits**

Answers will vary
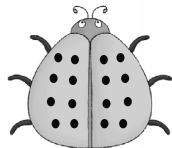
Lesson 3, Support: Ladybird doubles
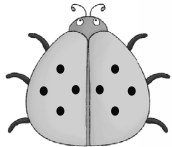
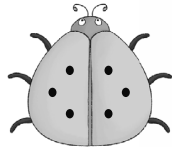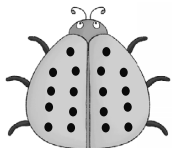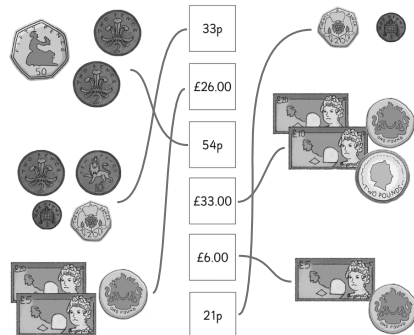double 6: 12   double 2: 4

double 5: 10   double 8: 16

double 4: 8   double 3: 6

double 9: 18   Children's answers will vary.

Lesson 4, Support: Pounds and pence

33p
£26.00
54p
£33.00
£6.00
21p

13p   £27
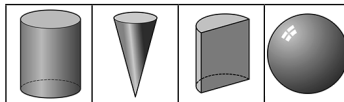
Unit 5 Week 3: Geometry — Properties of shapes

Lesson 1, Support: Shape riddles

Answers will vary

Lesson 2, Extension: Investigating 3-D shapes

Number of faces	3	2	4	1
Number of edges	2	1	6	0
2-D shapes on the surface of 3-D shape	2 circles 1 rectangle	1 circle	2 semi-circles 2 rectangles	n/a
3-D shape name	cylinder	cone	semi-circular prism	sphere
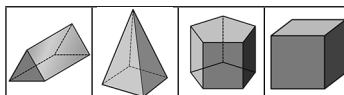
Number of faces	5	5	7	6
Number of edges	9	8	15	12
2-D shapes on the surface of 3-D shape	2 triangles 3 rectangles	1 square 4 triangles	2 pentagons 5 rectangles	6 squares
3-D shape name	triangular prism	square-based pyramid	pentagonal prism	cube

Pentagonal prism

Sphere

Pentagonal prism

Sphere

Answers will vary

Answers will vary

Lesson 3, Support: Odd shape out!

Top half of sheet:
The pyramid is the odd one out because it has no curved faces (or another answer that can be justified)

The rectangle is the odd one out because it is 2-D (or another answer that can be justified)

Bottom half of sheet:
The cube is the odd one out because it does not have a corresponding 2-D shape to match one of its face shapes (or another answer that can be justified)

The cylinder is the odd one out because it is 3-D (or another answer that can be justified)

Lesson 4, Extension: Everyday shape investigation

Answers will vary

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

Lesson 1, Extension: 10 steps

40	50	60	70	80
100	90	80	70	60

9	19	29	39	49
21	31	41	51	61

36	46	56	66	76
54	64	74	84	94

Lesson 2, Support: Multiply by 2

$1 \times 2 = 2$ $2 \times 2 = 4$ $3 \times 2 = 6$

$4 \times 2 = 8$ $5 \times 2 = 10$ $6 \times 2 = 12$

$7 \times 2 = 14$ $8 \times 2 = 16$ $9 \times 2 = 18$

$10 \times 2 = 20$ $11 \times 2 = 22$ $12 \times 2 = 24$

Lesson 3, Extension: Number line sharing

$6 \div 2 = 3$ $2 \div 2 = 1$

$12 \div 2 = 6$ $10 \div 2 = 5$

$4 \div 2 = 2$ $16 \div 2 = 8$

$18 \div 2 = 9$ $8 \div 2 = 4$

$14 \div 2 = 7$ $22 \div 2 = 11$

$24 \div 2 = 12$ $20 \div 2 = 10$

Lesson 4, Support: Football 5s problems

$1 \times 5 = 5$ $2 \times 5 = 10$ $3 \times 5 = 15$

$4 \times 5 = 20$ $5 \times 5 = 25$ $6 \times 5 = 30$

$7 \times 5 = 35$ $8 \times 5 = 40$ $9 \times 5 = 45$

$10 \times 5 = 50$ $11 \times 5 = 55$ $12 \times 5 = 60$

Unit 6 Week 2: Number — Multiplication and division

Lesson 1, Extension: Divide by 5

$20 \div 5 = 4$ $5 \div 5 = 1$

$10 \div 5 = 2$ $25 \div 5 = 5$

$30 \div 5 = 6$ $15 \div 5 = 3$

$45 \div 5 = 9$ $35 \div 5 = 7$

$40 \div 5 = 8$ $50 \div 5 = 10$

$55 \div 5 = 11$ $60 \div 5 = 12$

Lesson 2, Support: Pirate multiplication

$1 \times 10 = 10$ $2 \times 10 = 20$ $3 \times 10 = 30$

$4 \times 10 = 40$ $5 \times 10 = 50$ $6 \times 10 = 60$

$7 \times 10 = 70$ $8 \times 10 = 80$ $9 \times 10 = 90$

$10 \times 10 = 100$ $11 \times 10 = 110$ $12 \times 10 = 120$

Lesson 3, Extension: Division facts for the 10 times table

In any order,

10 ÷ 10 = 1	20 ÷ 10 = 2
30 ÷ 10 = 3	40 ÷ 10 = 4
50 ÷ 10 = 5	60 ÷ 10 = 6
70 ÷ 10 = 7	80 ÷ 10 = 8
90 ÷ 10 = 9	100 ÷ 10 = 10
110 ÷ 10 = 11	120 ÷ 10 = 12

Lesson 4, Support: Apple arrays

6 × 2 = 12 and 12 ÷ 2 = 6	3 × 5 = 15 and 15 ÷ 5 = 3
3 × 10 = 30 and 30 ÷ 10 = 3	7 × 5 = 35 and 35 ÷ 5 = 7

Unit 6 Week 3: Measurement (mass)

Lesson 2, Support: Grams to kilograms

1000 g = 1 kg

4000 g = 4 kg

8000 g = 8 kg

3000 g = 3 kg

9000 g = 9 kg

2000 g = 2 kg

5000 g = 5 kg

7000 g = 7 kg

6000 g = 6 kg

10000 g = 10 kg

Lesson 2, Extension: Grams to kilograms and back again

1500 g = $1\frac{1}{2}$ kg	$4\frac{3}{4}$ kg = 4750 g
$3\frac{1}{2}$ kg = 3500 g	2250 g = $2\frac{1}{4}$ kg
1250 g = $1\frac{1}{4}$ kg	5750 g = $5\frac{3}{4}$ kg
$7\frac{1}{2}$ kg = 7500 g	7500 g = $7\frac{1}{2}$ kg
8750 g = $8\frac{3}{4}$ kg	$6\frac{1}{2}$ kg = 6500 g
$2\frac{1}{4}$ kg = 2250 g	$10\frac{1}{4}$ kg = 10250 g

Lesson 3, Support: Half as heavy

Half as heavy:
parrot 2 kg, cat 4 kg, chimpanzee 20 kg,
Spaniel dog 40 kg, lion 100 kg, crocodile 200 kg

Lesson 4, Extension: Halving and doubling

Recipe for 3 people:
105 g flour
160 g sugar
60 g butter
40g cocoa powder
1 egg

Recipe for 12 people:
420 g flour
640 g sugar
240 g butter
160 g cocoa powder
4 eggs

Unit 7 Week 1: Number – Addition and subtraction

Lesson 1, Support: Fish addition

27 + 20 = 47	12 + 50 = 62	40 + 39 = 79
26 + 60 = 86	30 + 29 = 59	11 + 10 = 21
40 + 14 = 54	23 + 10 = 33	24 + 70 = 94
22 + 20 = 42	40 + 28 = 68	30 + 53 = 83

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 2, Support: Robot subtraction

87 − 30 = 57	34 − 20 = 14	92 − 10 = 82
95 − 40 = 55	86 − 50 = 36	72 − 30 = 42
78 − 70 = 8	91 − 20 = 71	88 − 60 = 28
64 − 30 = 34	78 − 10 = 68	99 − 20 = 79

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 3, Extension: Missing numbers

+	40	20	60
25	65	45	85
34	74	54	94
47	87	67	107

25 + 40 = 65	25 + 20 = 45	25 + 60 = 85
34 + 40 = 74	34 + 20 = 54	34 + 60 = 94
47 + 40 = 87	47 + 20 = 67	47 + 60 = 107

−	50	30	40
81	31	51	41
53	3	23	13
96	46	66	56

81 − 50 = 31	81 − 30 = 51	81 − 40 = 41
53 − 50 = 3	53 − 30 = 23	53 − 40 = 13
96 − 50 = 46	96 − 30 = 66	96 − 40 = 56

Lesson 4, Extension: Three number hunt

1	7	4	12
3	8	6	17
9	2	5	16
13	17	15	45

8	7	8	23
7	4	5	16
5	6	9	20
20	17	22	59

9	4	3	16
6	2	8	16
5	7	4	16
20	13	15	48

Children's own numbers and answers for the fourth grid.

Unit 7 Week 2: Number – Addition and subtraction, incl. Measurement (money)

Lesson 1, Support: Caterpillar addition

+ 10 + 1	+ 20 − 1	+ 30 + 1
34 + 11 = 45	27 + 19 = 46	38 + 31 = 69

+ 30 − 1	+ 40 + 1	+ 40 − 1
45 + 29 = 74	16 + 41 = 57	23 + 39 = 62

+ 20 + 1	+ 70 − 1	+ 50 + 1
57 + 21 = 78	14 + 69 = 83	25 + 51 = 76

Lesson 2, Support: Snake subtraction

− 20 − 1	− 20 + 1	− 30 − 1
37 − 21 = 16	43 − 19 = 24	56 − 31 = 25

− 40 + 1	− 40 − 1	− 30 + 1
68 − 39 = 29	75 − 41 = 34	44 − 29 = 15

− 10 − 1	− 70 + 1	− 50 − 1
76 − 11 = 65	82 − 69 = 13	63 − 51 = 12

Lesson 3, Extension: Same but different

Children's own answers to make the correct totals.

Lesson 4, Extension: Fruit stall

11p + 7p = 18p	9p + 6p = 15p
20p – 18p = 2p	20p – 15p = 5p
24p + 12p = 36p	21p + 20p = 41p
40p – 36p = 4p	50p – 41p = 9p
43p + 24p = 67p	50p + 36p = 86p
70p – 67p = 3p	£1 – 86p = 14p
£2 + £1 = £3	£4 + £3 = £7
£5 – £3 = £2	£10 – £7 = £3

Unit 7 Week 3: Statistics

Lesson 1, Support: Triangle sort

Answers will vary

Lesson 2, Extension: Carroll diagram for numbers

Answers will vary

Lesson 4, Support: All about me Venn diagram

Answers will vary

Lesson 4, Extension: Number Venn
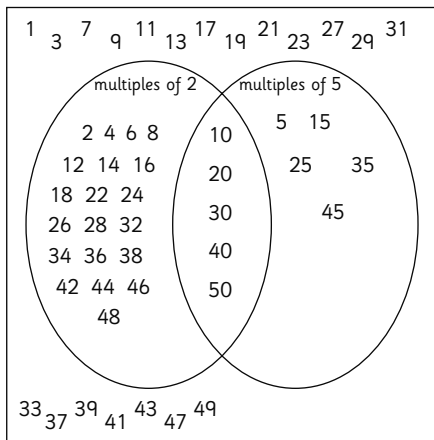
Unit 8 Week 1: Number – Multiplication and division, incl. Number and place value

Lesson 1, Extension: Bus steps and stops

82	80	78	76	74
100	90	80	70	60
75	70	65	60	55
51	41	31	21	11

Even numbers on left, and odd numbers on the right

Lesson 2, Support: Calculating cats

5 × 2 = 10	10 ÷ 2 = 5
2 × 5 = 10	10 ÷ 5 = 2
3 × 2 = 6	6 ÷ 2 = 3
2 × 3 = 6	6 ÷ 3 = 2
8 × 2 = 16	16 ÷ 2 = 8
2 × 8 = 16	16 ÷ 8 = 2
6 × 2 = 12	12 ÷ 2 = 6
2 × 6 = 12	12 ÷ 6 = 2

Lesson 3, Extension: Tuba trios

4 × 5 = 20
5 × 4 = 20
20 ÷ 5 = 4
20 ÷ 4 = 5

9 × 5 = 45
5 × 9 = 45
45 ÷ 5 = 9
45 ÷ 9 = 5

12 × 5 = 60
5 × 12 = 60
60 ÷ 5 = 12
60 ÷ 12 = 5

Lesson 4, Support: Monster maths

2 × 10 = 20	5 × 10 = 50
10 × 2 = 20	10 × 5 = 50
20 ÷ 10 = 2	50 ÷ 10 = 5
20 ÷ 2 = 10	50 ÷ 5 = 10
9 × 10 = 90	12 × 10 = 120
10 × 9 = 90	10 × 12 = 120
90 ÷ 10 = 9	120 ÷ 10 = 12
90 ÷ 9 = 10	120 ÷ 12 = 10

Unit 8 Week 2: Number – Fractions

Lesson 1, Support: Half price

half of 50p = 25p

half of £1 = 50p

half of 36p = 18p

half of 84p = 42p

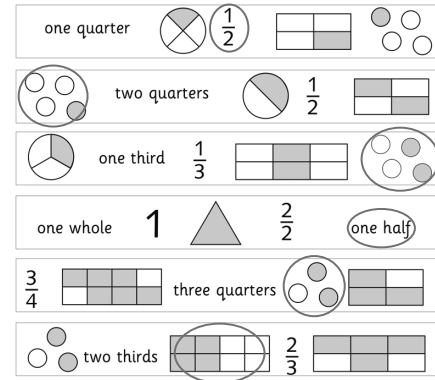half of 30p = 15p

quarter of 80p = 20p

quarter of 24p = 6p

Lesson 1, Extension: Tails

Sahid: 6 cm	Ann: 12 cm
Adam: 6 cm	Naima: 9 cm
Sam: 3 cm	Tamim: 3 cm
Sasha: 18 cm	

Tamim and Sam have the same tail length

Adam and Sahid have the same tail length

Lesson 2, Support: Leaf thirds

$\frac{1}{3}$ of 6 = 2	$\frac{1}{3}$ of 12 = 4	$\frac{1}{3}$ of 18 = 6
$\frac{1}{3}$ of 3 = 1	$\frac{1}{3}$ of 15 = 5	$\frac{1}{3}$ of 9 = 3
$\frac{1}{3}$ of 30 = 10	$\frac{1}{3}$ of 21 = 7	$\frac{1}{3}$ of 27 = 9

Lesson 2, Extension: Odd one out

Children's own odd one out

Children's own odd one out

Unit 8 Week 3: Measurement (volume and capacity)

Lesson 2, Support: Reading scales

400 ml	700 ml
100 ml	900 ml
600 ml	200 ml
800 ml	300 ml

Lesson 2, Extension: Reading scales

550 ml	850 ml
250 ml	300 ml
1 *l* 400 ml	1 *l* 150 ml
1 *l* 950 ml	1 *l* 600 ml

Lesson 4, Support: Half full

400 ml	200 ml
300 ml	100 ml
500 ml	50 ml

Lesson 4, Extension: Halving and doubling volume

Liquid 1:	*Liquid 3:*
225 ml	900 ml
150 ml	600 ml
125 ml	500 ml
250 ml	1000 ml or 1 *l*
350 ml	1400 ml or 1 *l* 400 ml
450 ml	1800 ml or 1 *l* 800 ml
425 ml	1700 ml or 1 *l* 700 ml
300 ml	1200 ml or 1 *l* 200 ml

Unit 9 Week 1: Number – Number and place value

Lesson 1, Extension: Triple jumps

3	6	9	12	15
21	18	15	12	9
30	33	36	39	42
51	54	57	60	63
39	36	33	30	27
84	87	90	93	96

Lesson 2, Support: Tool shop 10s and units

nails 54	bolts 78
hammers 63	hooks 89
light bulbs 35	brushes 96

Lesson 3, Extension: Number order cards

Answers will vary

Lesson 4, Support: Building blocks

	3	4	
12	13	14	15
22	23	24	25
			16
	24	25	26
33	34	35	36
		10	
	19	20	
28	29	30	31
	28	29	
	38	39	40
47	48	49	50

Unit 9 Week 2: Number – Addition and subtraction

Lesson 2, Support: Kangaroo addition

$31 + 26 = 57$
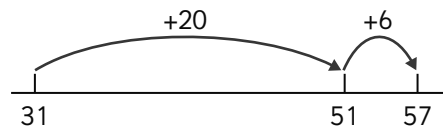
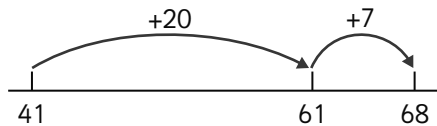$15 + 43 = 58$
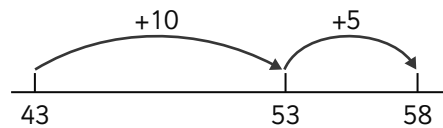
$18 + 24 = 42$
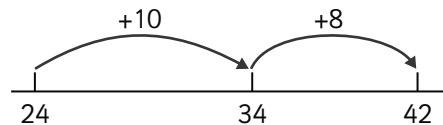
$37 + 25 = 62$
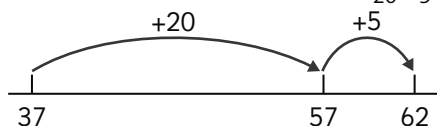
$36 + 24 = 60$
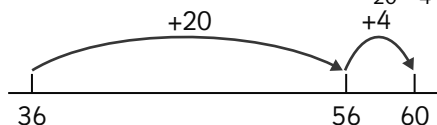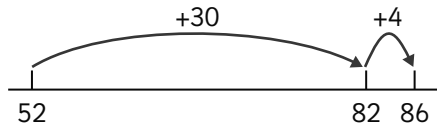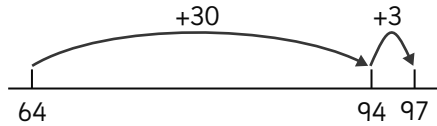

Lesson 2, Extension: Kangaroo addition
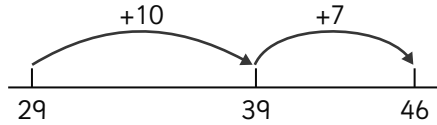
$13 + 35 = 48$
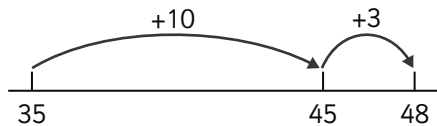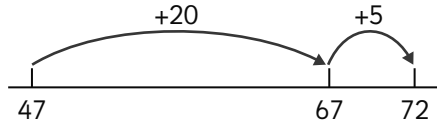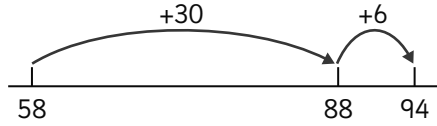

$41 + 27 = 68$

$34 + 52 = 86$

$33 + 64 = 97$
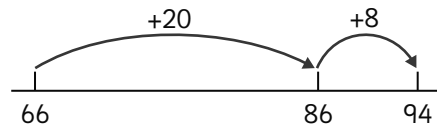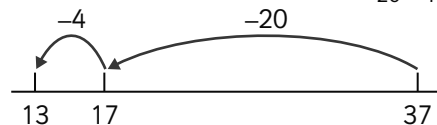

$17 + 29 = 46$
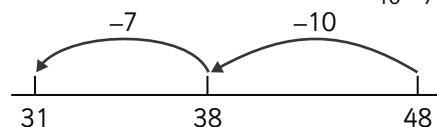

$47 + 25 = 72$

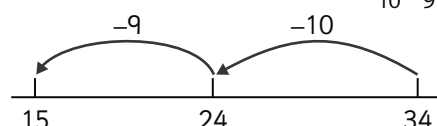$36 + 58 = 94$

$28 + 66 = 94$

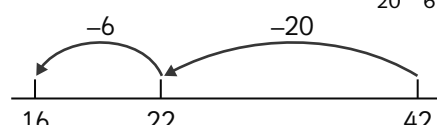**Lesson 4, Support: Frog subtraction**
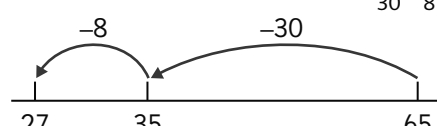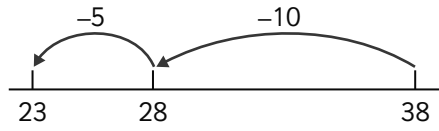
$37 - 24 = 13$

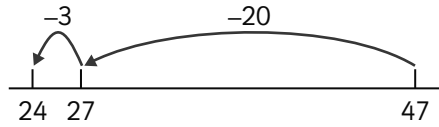$48 - 17 = 31$

$34 - 19 = 15$

$42 - 26 = 16$

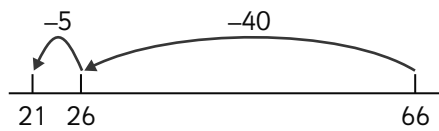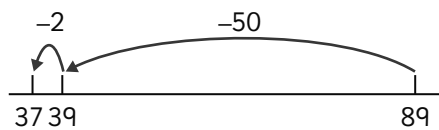$65 - 38 = 27$

Lesson 4, Extension: Frog subtraction
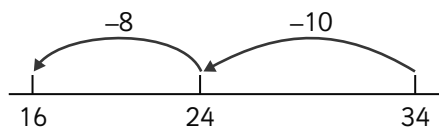
$38 - 15 = 23$
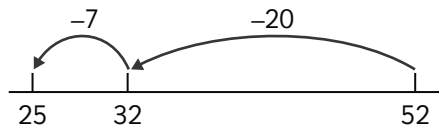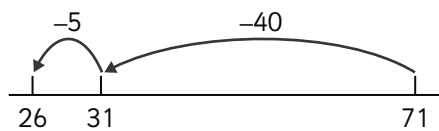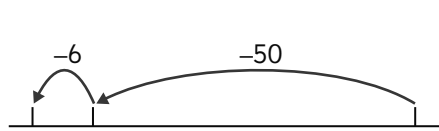

$47 - 23 = 24$

$66 - 45 = 21$

$89 - 52 = 37$

$34 - 18 = 16$

$52 - 27 = 25$

$71 - 45 = 26$

$93 - 56 = 37$

Unit 9 Week 3: Geometry – Position and direction

Lesson 1, Extension: Turning clockwise and anticlockwise
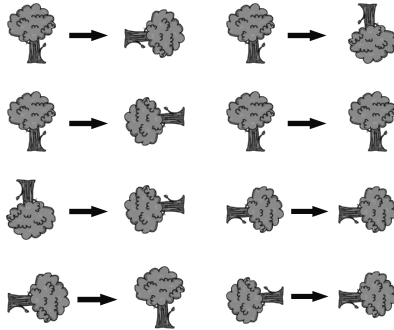
Lesson 2, Support: Right angle turns
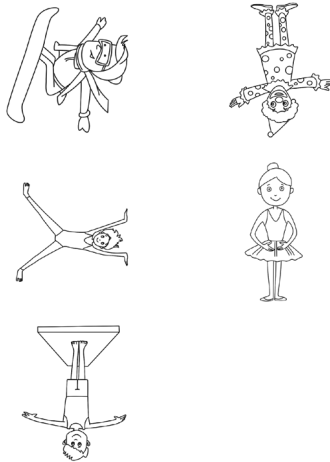
Lesson 3, Support: Giving directions
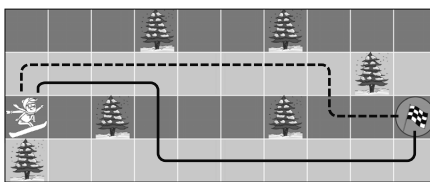
Clockwise, 1, anticlockwise, 2

Lesson 4, Extension: Maze
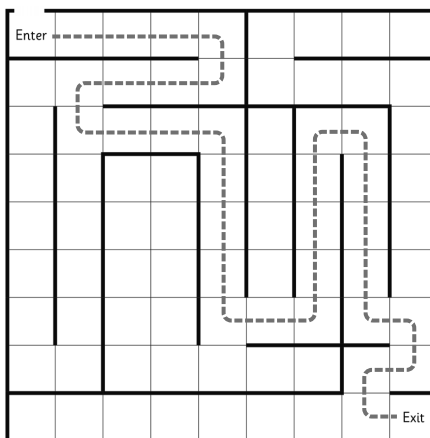
Unit 10 Week 1: Number – Multiplication and division, incl. Number and place value

Lesson 1, Support: Too many 2s!

12 buttons	10 balloons
15 flowers	21 pens
18 bananas	27 strawberries

Lesson 2, Extension: Milkshake double and halves

7 —— 14 —— 7
12 —— 24 —— 12
9 —— 18 —— 9
6 —— 12 —— 6
11 —— 22 —— 11
8 —— 16 —— 8

Lesson 3, Extension: Counting marble 5s

$5 \times 5 = 25$	$8 \times 5 = 40$
$7 \times 5 = 35$	$10 \times 5 = 50$
$12 \times 5 = 60$	$3 \times 5 = 15$

Lesson 4, Support: Problems page

$1 \times 5 = 5$	$6 \times 5 = 30$
$5 \times 1 = 5$	$5 \times 6 = 30$
$5 \div 5 = 1$	$30 \div 5 = 6$
$5 \div 1 = 5$	$30 \div 6 = 5$
$9 \times 5 = 45$	$12 \times 5 = 60$
$5 \times 9 = 45$	$5 \times 12 = 60$
$45 \div 5 = 9$	$60 \div 5 = 12$
$45 \div 9 = 5$	$60 \div 12 = 5$

Unit 10 Week 2: Number – Multiplication and division, incl. Number and place value

Lesson 1, Support: Counting packs of 10

61 marbles

73 strawberries

89 beads

94 eggs

116 pencils

Lesson 2, Extension: Multiplication facts for 10

$4 \times 10 = 40$	$8 \times 10 = 80$
$10 \times 10 = 100$	$5 \times 10 = 50$
$3 \times 10 = 30$	$11 \times 10 = 110$
$7 \times 10 = 70$	$1 \times 10 = 10$
$9 \times 10 = 90$	$12 \times 10 = 120$
$2 \times 10 = 20$	$6 \times 10 = 60$

Related division facts – answers will vary

Lesson 3, Extension: Fact flowers

Answers will vary
but may include:

1 × 10 = 10	4 × 5 = 20
10 × 1 = 10	5 × 4 = 20
2 × 5 = 10	2 × 10 = 20
5 × 2 = 10	10 × 2 = 20
10 ÷ 1 = 10	20 ÷ 4 = 5
10 ÷ 2 = 5	20 ÷ 5 = 4
10 ÷ 5 = 2	20 ÷ 2 = 10
	20 ÷ 10 = 2

10 × 3 = 30	10 × 4 = 40
3 × 10 = 30	4 × 10 = 40
6 × 5 = 30	8 × 5 = 40
5 × 6 = 30	5 × 8 = 40
30 ÷ 5 = 6	40 ÷ 5 = 8
30 ÷ 6 = 5	40 ÷ 8 = 5
30 ÷ 10 = 3	40 ÷ 10 = 4
30 ÷ 3 = 10	40 ÷ 4 = 10

Lesson 4, Support: Car boot sale calculations

9 × 2 = 18p	10 × 5 = 50p
45 ÷ 5 = 9p	60 ÷ 10 = 6p
5 x 5 = 25p	24 ÷ 2 = 12p

Unit 10 Week 3: Measurement (including Temperature)

Lesson 2, Support: Width problems

Answers will vary

Lesson 2, Extension: Width problems

Answers will vary

Lesson 3, Support: Mass problems

100 g	20 g
200 g	400 g

Total mass: 720 g

Lesson 3, Extension: Mass problems

Lemon sherbets 125 g	Strawberry creams 115 g
Lemon drops 150 g	Pineapple chunks 140 g
Candy crinkles 75 g	Butterscotch whirls 90 g

Total mass: 695 g

Lemon sherbets 25p	Strawberry creams 20p
Lemon drops 25p	Pineapple chunks 24p
Candy crinkles 15p	Butterscotch whirls 30p

Total price: £1.39

Unit 11 Week 1: Number – Addition and subtraction

Lesson 1, Support: Using place value to add

15 + 43 = 40 + 10 + 3 + 5
= 50 + 8
= 58

26 + 32 = 32 + 20 + 6
= 52 + 6
= 58

43 + 24 = 40 + 20 + 3 + 4
= 60 + 7
= 67

35 + 52 = 52 + 30 + 6
= 82 + 6
= 87

27 + 38 = 30 + 20 + 8 + 7
= 50 + 15
= 65

46 + 39 = 46 + 30 + 9
= 76 + 9
= 85

Lesson 2, Extension: Problems at the park

17 + 26 = 43	37 − 13 = 24
18 + 27 = 45	56 + 32 = 88
58 − 32 = 26	66 + 28 = 94

Lesson 3, Support: Using place value to subtract

38 − 13 = 38 − 10 − 3
= 28 − 3
= 25

45 − 28 = 45 − 20 − 8
= 25 − 8
= 17

59 − 36 = 59 − 30 − 6
= 29 − 6
= 23

62 − 47 = 62 − 40 − 7
= 22 − 7
= 15

85 − 52 = 85 − 50 − 2
= 35 − 2
= 33

96 − 64 = 96 − 60 − 4
= 36 − 4
= 32

Lesson 4, Extension: Problems on the move

83 − 38 = 45	75 − 56 = 19
£29 + £63 = £92	48 + 23 = 71
95 − 17 = 78	73 − 26 = 47

Unit 11 Week 2: Number – Addition and subtraction

Lesson 2, Support: Written addition

48 + 13 =

			T	O
40	+	8	4	8
10	+	3	+ 1	3
50	+	11 = 61	1	1
			5	0
			6	1

25 + 57 =

			T	O
20	+	5	2	5
50	+	7	+ 5	7
70	+	12 = 82	1	2
			7	0
			8	2

36 + 47 =

			T	O
30	+	6	3	6
40	+	7	+ 4	7
70	+	13 = 83	1	3
			7	0
			8	3

Lesson 3, Support: Zoo problems

24 + 30 = 54   27 – 14 = 13

32 – 8 = 24   13 + 15 = 28

Lesson 3, Extension: Zoo problems

24 + 37 = 61   96 – 64 = 32

34 + 58 = 92   54 – 23 = 31

98 – 46 = 52   £32 + £26 = £58

Lesson 4, Extension: Castle problems

26 + 18 = 44   35 + 47 = 82

83 – 29 = 54   21 + 36 = 57

74 – 39 = 35   85 – 67 = 18

Unit 11 Week 3: Statistics

Lesson 1, Support: Our class birth months

Answers will vary

Lesson 1, Extension: Class 2T
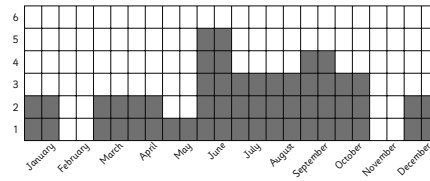
27

June

February and November

11

4

More summer-born

More autumn-born

Lesson 2, Support: Roll a dice

Answers will vary

Lesson 3, Extension: Ice cream pictogram
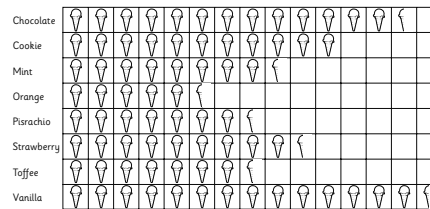
Vanilla, Chocolate, Cookie and Strawberry

Orange and either Toffee or Pistachio.

Orange is the least popular ice cream, then toffee and Pistachio. He will have to choose between two flavours that sold the same amount

Vanilla, Chocolate, Cookie, Strawberry and Mint.

Unit 12 Week 1: Number – Multiplication and division, incl. Number and place value

Lesson 1, Extension: Spaceship multiples

Answers will vary

Lesson 2, Support: Fishy facts

9 × 2 = 18   6 × 5 = 30
18 ÷ 2 = 9   30 ÷ 5 = 6

4 × 10 = 40   12 × 2 = 24
40 ÷ 10 = 4   24 ÷ 2 = 12

10 × 5 = 50   7 × 10 = 70
50 ÷ 5 = 10   70 ÷ 10 = 7

Lesson 3, Support: Garden problems

7 × 2 = 14   10 ÷ 2 = 5
14 spots   5 petals left

20 ÷ 5 = 4   6 × 10 = 60
4 snails on each leaf   60 butterflies altogether

9 × 5 = 45   50 ÷ 10 = 5
45 tomatoes altogether 5 bulbs in each box

Lesson 4, Extension: Creature calculations

3 x 2 = 6   3 x 10 = 30
6 tigers   30 pears

6 x 2 = 12   30 ÷ 5 = 6
12 cubs   6 pears each

40 ÷ 10 = 4   6 x 2 = 12
4 bananas each   12 birds

10 ÷ 2 = 5   12 x 2 = 24
5 in each tree   24 eggs altogether

Unit 12 Week 2: Number – Fractions

Lesson 2, Support: Fraction number lines
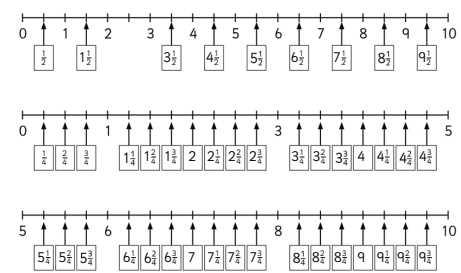
Lesson 3, Support: Toy share

$\frac{1}{3}$ of 9 = 3 $\frac{1}{3}$ of 3 = 1

$\frac{1}{3}$ of 6 = 2 $\frac{1}{3}$ of 12 = 4

$\frac{1}{3}$ of 21 = 7 $\frac{1}{3}$ of 15 = 5

$\frac{1}{3}$ of 9 = 3 $\frac{1}{3}$ of 18 = 6

Lesson 3, Extension: Fraction problems

10 = $\frac{2}{3}$ of 15

$\frac{1}{4}$ = 3, whole group = 12 bees in the group

$\frac{1}{4}$ of £50 = £12.50

$\frac{1}{3}$ = 9, $\frac{2}{3}$ = 18 apples on the tree

$\frac{1}{4}$ = 7, packet = 28.

Quarter	Total Balls
1	4
2	8
3	12
4	16

$\frac{1}{4}$ of 5 = 1$\frac{1}{4}$ oranges

1 portion = $\frac{3}{4}$ of an apple, $\frac{1}{2}$ an orange, 1 banana, $\frac{1}{4}$ of a pear.

Lesson 4, Extension: Magic squares

$\frac{2}{3}$	$\frac{1}{3}$	$\frac{3}{3}$
$\frac{3}{3}$	$\frac{2}{3}$	$\frac{1}{3}$
$\frac{1}{3}$	$\frac{3}{3}$	$\frac{2}{3}$

$\frac{1}{2}$	$1\frac{1}{2}$	1
$1\frac{1}{2}$	1	$\frac{1}{2}$
1	$\frac{1}{2}$	$1\frac{1}{2}$

Unit 12 Week 3: Measurement (time)

Lesson 2, Extension: The zig-zag clock

Answers will vary

Lesson 2, Support: 5 minutes earlier, 5 minutes later

Clock showing 25 past 10

Clock showing 25 to 11

Clock showing 10 past 8

Clock showing 20 past 8

Clock showing 20 to 4

Clock showing 10 to 4

Clock showing 5 past 7

Clock showing quarter past 7

Clock showing 25 to 5

Clock showing quarter to 5

Lesson 4, Support: Cartoon times

25 minutes

35 minutes

40 minutes

15 minutes

50 minutes

Lesson 4, Extension: Time problems

Top section:

5 past 7   quarter past 7

25 past 7   quarter to 8

10 past 8   25 to 9

15 minutes

Bottom section:

30 minutes = 1 and a half miles

40 minutes = 2 miles

55 minutes = 2 and three-quarter miles

1 hour 10 minutes = 3 and a half miles

Homework Guide 2

Unit 1, Week 1: Number – Number and place value

Lesson 1, T-shirt 10s and 1s

15 – 1 ten and 5 ones

23 – 2 tens and 3 ones

9 – 0 tens and 9 ones

37 – 3 tens and 7 ones

50 – 5 tens and 0 ones

46 – 4 tens and 6 ones

Lesson 3, Key ring numbers

20 – twenty   11 – eleven

19 – nineteen   25 – twenty-five

41 – forty one   37 – thirty-seven

48 – forty-eight   12 – twelve

16 – sixteen   30 – thirty

42 – forty-two   50 – fifty

Unit 1 Week 2: Number – Addition and subtraction

Lesson 3, Addition and subtraction
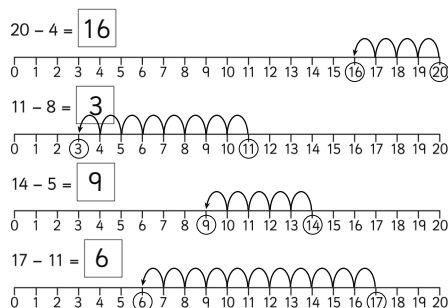
6 + 8 = 14   7 + 5 = 12

8 + 6 = 14   5 + 7 = 12

14 – 6 = 8   12 – 5 = 7

14 – 8 = 6   12 – 7 = 5

11 + 8 = 19   12 + 1 = 13

8 + 11 = 19   1 + 12 = 13

19 – 8 = 11   13 – 12 = 1

19 – 11 = 8   13 – 1 = 12

Lesson 4, 'Take away' or 'difference'

20 – 4 = $\boxed{16}$

11 – 8 = $\boxed{3}$

14 – 5 = $\boxed{9}$

17 – 11 = $\boxed{6}$

Unit 1 Week 3: Geometry – Properties of shapes

Lesson 1, Shape palace

Children's own work

Lesson 3, Drawing shapes

Children's own work

Unit 2 Week 1: Number – Addition and subtraction

Lesson 2, Related addition facts

7 + 2 = 9   70 + 20 = 90

5 + 3 = 8   50 + 30 = 80

2 + 1 = 3   20 + 10 = 30

8 + 2 = 10   20 + 80 = 100

4 + 3 = 7   30 + 40 = 70

6 + 3 = 9   30 + 60 = 90

8 + 1 = 9   80 + 10 = 90

Lesson 3, Related subtraction facts

6 – 3 = 3   60 – 30 = 30

7 – 3 = 4   70 – 30 = 40

9 – 2 = 7   90 – 20 = 70

5 – 2 = 3   50 – 20 = 30

8 – 5 = 3   80 – 50 = 30

3 – 1 = 2   30 – 10 = 20

5 – 4 = 1   50 – 40 = 10

Unit 2 Week 2: Number – Addition and subtraction

Lesson 2, Add to and subtract from a multiple of 10

10 + 5 = 15   30 + 6 = 36   40 + 3 = 43

20 + 7 = 27   50 + 9 = 59   60 + 2 = 62

70 + 4 = 74   90 + 1 = 91   80 + 8 = 88

20 – 6 = 14   80 – 2 = 78   10 – 3 = 7

40 – 1 = 39   60 – 7 = 53   30 – 5 = 25

50 – 8 = 42   70 – 9 = 61   90 – 4 = 86

Lesson 4, Missing numbers

7 + 4 = 11   6 + 8 = 14   6 + 7 = 13

5 + 7 = 12   7 + 8 = 15   9 + 8 = 17

13 + 3 = 16   3 + 15 = 18   17 + 2 = 19

12 – 7 = 5   13 – 4 = 9   17 – 9 = 8

18 – 6 = 12   16 – 5 = 11   20 – 7 = 13

18 – 14 = 4   19 – 13 = 6   15 – 12 = 3

Unit 2 Week 3: Measurement (length and height)

Lesson 3, Record length using >, < and =

Answers will vary

Lesson 4, Solving length problems

8 cm

60 cm

30 cm

28 cm

1 m 50 cm or $1\frac{1}{2}$ m

Unit 3 Week 1: Number – Multiplication and division, including Number and place value

Lesson 1, Shoe 2s

Pairs of shoes arranged as follows:

2	4	6	8	10
22	24	26	28	30
14	16	18	20	22
42	44	46	48	50
30	32	34	36	38

Lesson 3, Multiply and divide by 2

$5 \times 2 = 10$ $3 \times 2 = 6$ $8 \times 2 = 16$

$12 \div 2 = 6$ $14 \div 2 = 7$ $20 \div 2 = 10$

Unit 3 Week 2: Number – Multiplication and division, including Number and place value

Lesson 1, Finger 5s

Gloves arranged as follows:

5	10	15	20	25
50	55	60	65	70
25	30	35	40	45
55	60	65	70	75
80	85	90	95	100

Lesson 3, Multiply and divide by 5

$5 \times 5 = 25$ $7 \times 5 = 35$ $10 \times 5 = 50$

$15 \div 5 = 3$ $20 \div 5 = 4$ $10 \div 5 = 2$

3 beads drawn on each lace   4 beads drawn on each lace   2 beads drawn on each lace

Unit 3 Week 3: Geometry – Position and direction

Lesson 2, Patterns around us

Answers for the pentagon pattern and the t-shirts will vary.

Lesson 4, North, South, East, West

Answers will vary

Unit 4 Week 1: Number – Multiplication and division, including Number and place value

Lesson 1, Terrific 10s

Multiples of 10 arranged:
0   10 20 30 40 50 60 70 80 90 100

Multiples of 2:   2   4   6   8   10

Multiples of 5:   5   10 15 20

Lesson 3, Multiply and divide by 10

$3 \times 10 = 30$ $20 \div 10 = 2$ $5 \times 10 = 50$

$40 \div 10 = 4$ $8 \times 10 = 80$ $70 \div 10 = 7$

Unit 4 Week 2: Number – Fractions

Lesson 1: There's a mouse in the house!

Lesson 2, Freddie's flags

Answers will vary

Unit 4 Week 3: Measurement (time)

Lesson 1: Spot the clocks

Answers will vary

Lesson 3, Find the time
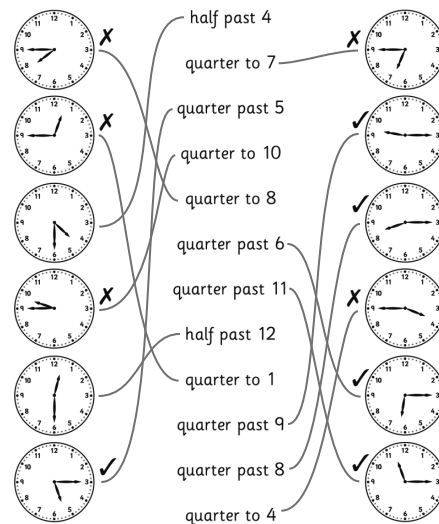
Unit 5 Week 1: Number – Number and place value

Lesson 2, Bus numbers

Varied answers possible, showing two-digit numbers between 10–98

Lesson 4, Gladiator guesses

Approximate answers:

15

17

20

35

21

Unit 5 Week 2: Number – Addition and subtraction, including Measurement (money)

Lesson 2, Carrot calculations

Addition:

47	27	79
22	43	63
83	75	51

Subtraction:

31	62	82
16	47	37
67	58	79

Lesson 4, How much money?

62p   26p

£26   26p   65p

£16   £33   £35

Unit 5 Week 3: Geometry – Properties of shapes

Lesson 1, 3-D shape line up

Lesson 3, Venn diagram

Unit 6 Week 1: Number – Multiplication and division, including Number and place value

Lesson 1, Counting kangaroos

Numbers as follows:

12	14	16	18	20
50	45	40	35	30
24	22	20	18	16
5	10	15	20	25
40	50	60	70	80
31	41	51	61	71
53	63	73	83	93

Lesson 3, Multiply and divide by 2

$3 \times 2 = 6$ $7 \times 2 = 14$ $5 \times 2 = 10$

$2 \times 2 = 4$ $10 \times 2 = 20$ $12 \times 2 = 24$

$8 \div 2 = 4$ $4 \div 2 = 2$ $10 \div 2 = 5$

$16 \div 2 = 8$ $18 \div 2 = 9$ $24 \div 2 = 12$

Jumps shown on number lines for each calculation

Unit 6 Week 2: Number – Multiplication and division

Lesson 1, Multiply and divide by 5

$15 \div 5 = 3$ $25 \div 5 = 5$ $5 \div 5 = 1$

$10 \div 5 = 2$ $20 \div 5 = 4$ $30 \div 5 = 6$

$40 \div 5 = 8$ related fact $8 \times 5 = 40$

$55 \div 5 = 11$ related fact $11 \times 5 = 55$

$60 \div 5 = 12$ related fact $12 \times 5 = 60$

Lesson 3, Multiply and divide by 10

$3 \times 10 = 30$ related fact $30 \div 10 = 3$

$9 \times 10 = 90$ related fact $90 \div 10 = 9$

$2 \times 10 = 20$ related fact $20 \div 10 = 2$

$7 \times 10 = 70$ related fact $70 \div 10 = 7$

$12 \times 10 = 120$ related fact $120 \div 10 = 12$

$11 \times 10 = 110$ related fact $110 \div 10 = 11$

Unit 6 Week 3: Measurement (mass)

Lesson 3, Record mass using >, < and =

Answers will vary

Examples of > statement:
apples > butter or 800 g > 400 g,
cereal > celery or 500 g > 100 g

Examples of < statements:
sugar < potatoes or 1 kg < 1 kg 500 g,
lemons < apples or 700 g < 800 g

Examples of = statements:
sugar = potatoes – cereal or
1 kg = 1 kg 500 g – 500 g,
apples= lemons + celery or
800 g = 700 g + 100 g

Lesson 4, Half the mass and twice the mass

Bread roll = 140 g   bread = 560 g

Apple = 120 g   Tomato = 60 g

Kitten = 3 kg   Puppy = 6 kg

Unit 7 Week 1: Number – Addition and subtraction

Lesson 3, Number detective

Addition:
$23 + 30 = 53$ $27 + 40 = 67$

$70 + 24 = 94$ $30 + 33 = 63$

$72 = 52 + 20$ $65 = 15 + 50$

$50 + 46 = 96$ $28 + 50 = 78$

Subtraction:
$74 – 30 = 44$ $97 – 60 = 37$

$49 – 20 = 29$ $85 – 50 = 35$ $11 = 51 – 40$

$13 = 93 – 80$ $82 – 20 = 62$ $56 – 30 = 26$

Lesson 4, Three number safari

$8 + 1 + 2 = 11$ $3 + 7 + 6 = 16$

$9 + 5 + 1 = 15$ $6 + 8 + 4 = 18$

$7 + 7 + 7 = 21$ $5 + 8 + 6 = 19$

$4 + 7 + 9 = 20$ $2 + 9 + 9 = 20$

$6 + 5 + 8 = 19$ $4 + 8 + 7 = 19$

Number grid:

4	2	8	14
9	6	1	16
3	7	5	15
16	15	14	

5	9	7	21
8	4	6	18
9	8	6	23
22	21	19	

Unit 7 Week 2: Number – Addition and subtraction, including Measurement (money)

Lesson 2, Animal addition and subtraction

$33 + 21 = 54$ $28 + 19 = 47$

$15 + 41 = 56$ $27 + 59 = 86$

$54 + 31 = 85$ $52 + 69 = 121$

$46 – 11 = 35$ $58 – 29 = 29$ $67 – 11 = 56$

$75 – 49 = 26$ $93 – 71 = 22$ $84 – 59 = 25$

Lesson 4, Time to shop

$8p + 7p = 15p$ $20p – 15p = 5p$

$23p + 9p = 32p$ $50p – 32p = 18p$

Correct coin sets circled.

Unit 7 Week 3: Statistics

Lesson 2, Coin tally

Answers will vary

Lesson 4, Toys

Answers will vary

Unit 8 Week 1: Number – Multiplication and division, including Number and place value

Lesson 1, Sea sequences

64	66	68	70	72	74	76
90	80	70	60	50	40	30
35	40	45	50	55	60	65
37	47	57	67	77	87	97
73	63	53	43	33	23	13
88	86	84	82	80	78	76

Lesson 4, Tricky trios
$7 \times 2 = 14$
$2 \times 7 = 14$

$14 \div 2 = 7$
$14 \div 7 = 2$

Missing number is 14

$9 \times 5 = 45$
$5 \times 9 = 45$

$45 \div 5 = 9$
$45 \div 9 = 5$

Missing number is 45

$8 \times 10 = 80$
$10 \times 8 = 80$

$80 \div 10 = 8$
$80 \div 8 = 10$

Missing number is 80

4th section – children write their own facts

Unit 8 Week 2: Number – Fractions

Lesson 1, Special offers

Soup:	36p	18p	9p
Bread:	56p	28p	14p
Rice pudding:	48p	24	12p
Orange:	24p	12p	6p
Baked beans:	60p	30p	15p
Apple:	16p	8p	4p
Melon:	96p	48p	24p

Lesson 4, Fraction picnic

Answers will vary

Unit 8 Week 3: Measurement (volume and capacity)

Lesson 3, Record volume using >, < and =

Answers will vary

Lesson 4, Half the volume, twice the volume

Answers will vary

Unit 9 Week 1: Number – Number and place value

Lesson 1, Pattern of 3s

All multiples of 3 coloured on the 100 square.

33	36	39
66	69	72
84	87	90
9	6	3
21	18	15
36	33	30

Lesson 3, Ordering owls

17 > 6	23 < 35	41 = 41
59 = 59	64 < 73	95 > 81

Children make their own inequality and equality statements.

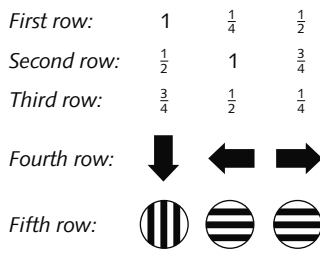## Unit 9 Week 2: Number – Addition and subtraction

Lesson 2, Busy Ant addition

35 + 13 = 48	
37 + 42 = 79	63 + 26 = 89
16 + 28 = 44	37 + 25 = 62
24 + 59 = 83	68 + 23 = 91

Lesson 4, Busy Ant subtraction

46 – 23 = 23	
69 – 35 = 34	87 – 54 = 33
32 – 16 = 16	58 – 53 = 5
66 – 49 = 17	84 – 57 = 27

Unit 9 Week 3: Geometry – Position and direction

Lesson 1, Turns

First row:	1	$\frac{1}{4}$	$\frac{1}{2}$
Second row:	$\frac{1}{2}$	1	$\frac{3}{4}$
Third row:	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{1}{4}$

Fourth row:

Fifth row:

Lesson 3, Where's my bed

Answers will vary

Unit 10 Week 1: Number – Multiplication and division, including Number and place value

Lesson 2, Domino doubles and halves

5 × 2 = 10	Double 5 is 10
9 × 2 = 18	Double 9 is 18
8 × 2 = 16	Double 8 is 16
12 × 2 = 24	Double 12 is 24
14 ÷ 2 = 7	Half of 14 is 7
20 ÷ 2 = 10	Half of 20 is 10
22 ÷ 2 = 11	Half of 22 is 11
12 ÷ 2 = 6	Half of 12 is 6

Lesson 4, Multiply and divide machines

3 × 5 = 15	6 × 5 = 30	8 × 5 = 40
12 × 5 = 60	11 × 5 = 55	
10 ÷ 5 = 2	35 ÷ 5 = 7	25 ÷ 5 = 5
45 ÷ 5 = 9	50 ÷ 5 = 10	

Unit 10 Week 2: Number – Multiplication and division, including Number and place value

Lesson 2, Multi-storey multiplication

2 × 2 = 4	3 × 10 = 30	2 × 5 = 10
5 × 2 = 10	6 × 10 = 60	4 × 5 = 20
7 × 2 = 14	12 × 10 = 120	1 × 5 = 5
11 × 2 = 22	7 × 10 = 70	3 × 5 = 15
3 × 2 = 6	5 × 10 = 50	5 × 5 = 25
6 × 2 = 12	9 × 10 = 90	7 × 5 = 35
12 × 2 = 24	4 × 10 = 40	9 × 5 = 45
4 × 2 = 8	8 × 10 = 80	10 × 5 = 50

Lesson 4, 2, 5 and 10 multiplication

2 × 5 = 10 There are 10 kittens.	4 × 10 = 40 Shanaz spends 40p.
8 × 2 = 16 There are 16 sweets altogether.	11 × 2 = 22 Holly has 22 dinosaurs.

4 × 5 and 5 × 4 = 20

9 × 2 and 2 × 9 = 18

6 × 10 and 10 × 6 = 60

7 × 5 and 5 × 7 = 35

3 × 2 and 2 × 3 = 6

Unit 10 Week 3: Measurement (including Temperature)

Lesson 1, Temperature

It was 24° C at lunchtime in the playground. Mark noticed that the temperature had fallen 15 degrees by home time.
9° C, thermometer selected to show this

One afternoon in December the thermometer read 6° C. When Tommy looked at it again in the evening it was 13 degrees colder.
–7° C, thermometer selected to show this

Suzie read the temperature one July morning. The thermometer said it was 15° C. By lunchtime it had risen 12 degrees.
27° C, thermometer selected to show this

Beth read the temperature on the classroom thermometer one morning. It was 13° C. She read it again in the afternoon. It had risen by 9 degrees.
22°C, thermometer selected to show this

Lesson 3, Estimating and measuring mass

Answers will vary

Unit 11 Week 1: Number – Addition and subtraction

Lesson 1, Using place value to add

12 + 37 = 49	23 + 25 = 48
34 + 52 = 86	48 + 24 = 72
37 + 56 = 93	36 + 65 = 101

Lesson 3, Using place value to subtract

28 – 15 = 13	54 – 23 = 31
47 – 32 = 15	82 – 46 = 36
63 – 38 = 25	95 – 77 = 18

Unit 11 Week 2: Number – Addition and subtraction

Lesson 1, Written addition

16 + 35 = 51   28 + 34 = 62

47 + 26 = 73   38 + 46 = 84

25 + 67 = 92   53 + 38 = 91

Lesson 2, Written subtraction

48 – 25 = 23   54 – 43 = 11

65 – 32 = 33   76 – 24 = 52

88 – 67 = 21   97 – 53 = 44

Unit 11 Week 3: Statistics

Lesson 2, At my home

Answers will vary

Lesson 4, Eggs

Week 2

Week 1

Weeks 5 and 6

Unit 12 Week 1: Number – Multiplication and division, including Number and place value

Lesson 1, Meteor multiples

2 4 6 8 10 12 14 16 18 20 22 24
5 10 15 20 25 30 35 40 45 50 55 60
10 20 30 40 50 60 70 80 90 100 110 120

Lesson 4, Market day multiplication and division

Maya spent 20p on apples. 2 apples in each bag.

Jake spent 60p on cakes. 30 chocolate buttons altogether.

Connor bought 30 flowers. He spent £6 altogether.

40 tomatoes altogether. 20 tomatoes each.

Unit 12 Week 2: Fractions

Lesson 1, Paper folding

Children's own work

Lesson 2, More paper folding – fractions mini book

Children's own work

Unit 12 Week 3: Measurement (time)

Lesson 3, My evening

Answers will vary

Lesson 4, Muffin trail