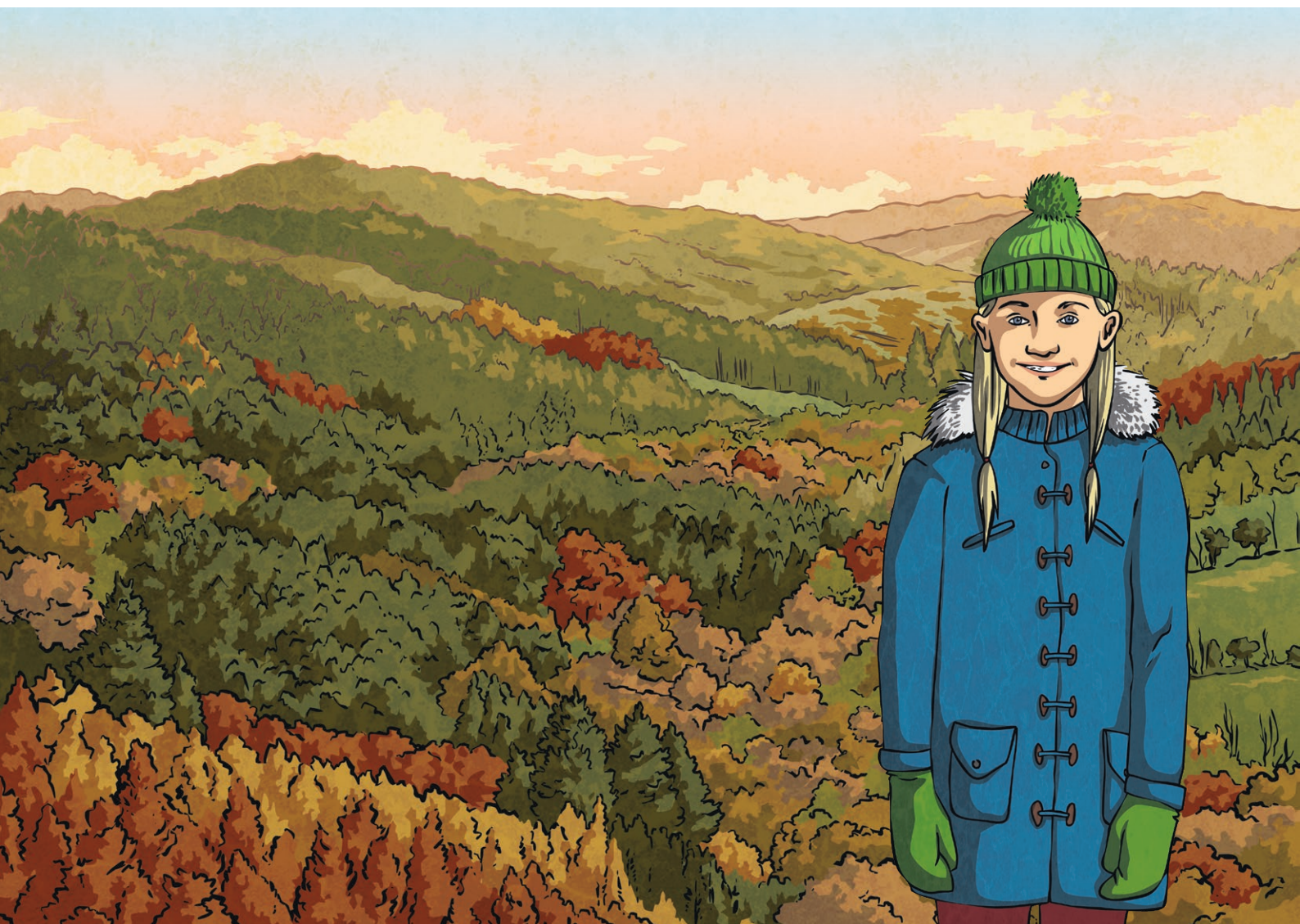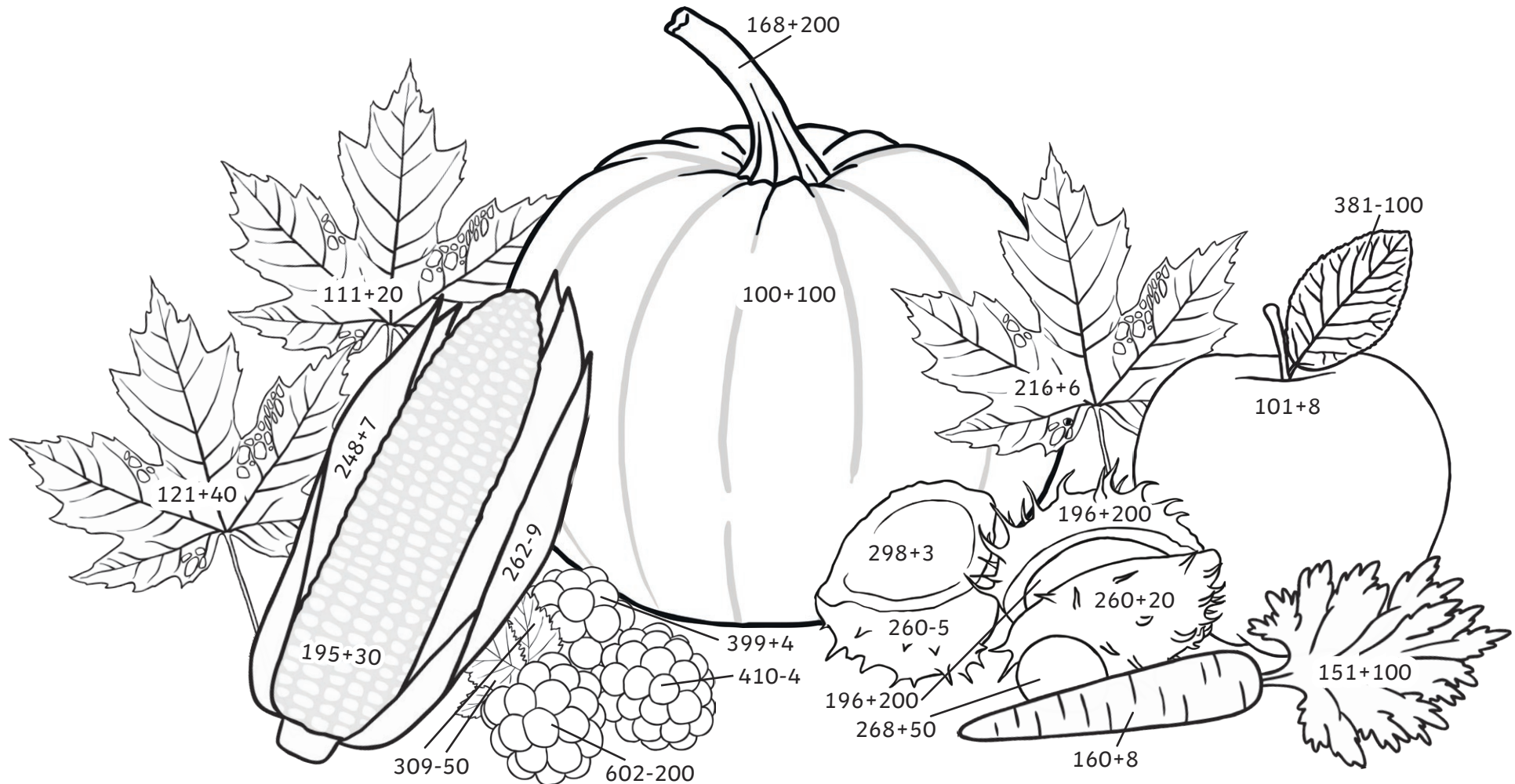# Year 3 Autumn-Themed
Maths Activity Booklet

Name: _____

Autumn Colour by Calculations

Solve the calculations and use the key to colour each part of the autumn-themed picture.
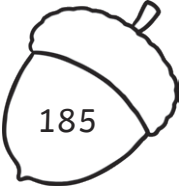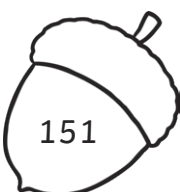
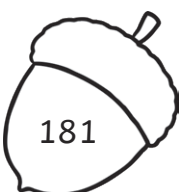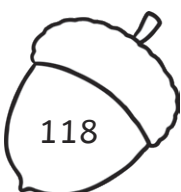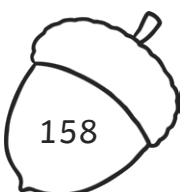| Red	Orange	Yellow	Green	Light Brown	Dark Brown	Pink
100 - 150	151 - 200	201 - 250	251 - 300	301 - 350	351 - 400	401-450

168+200

381-100

111+20

100+100

216+6

101+8

248+7

121+40

196+200

298+3

262-9

260+20

399+4

260-5

195+30

410-4

196+200

151+100

309-50

268+50

602-200

160+8
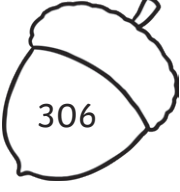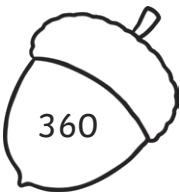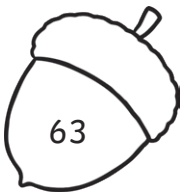
Autumn Sorting

Organise the numbers on the acorns from smallest to greatest.

1.

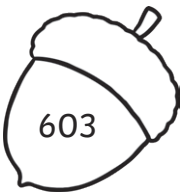185   151   181   118   158

_____ _____ _____ _____ _____

2.

306   603   360   630   63

_____ _____ _____ _____ _____

3.
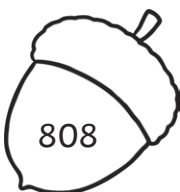
859   598   985   958   895

_____ _____ _____ _____ _____

4.

804   408   840   480   808

_____ _____ _____ _____ _____

5.

951   519   159   915   591

_____ _____ _____ _____ _____
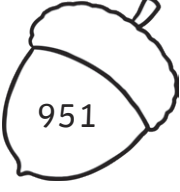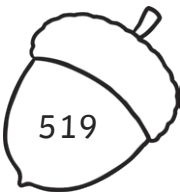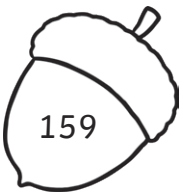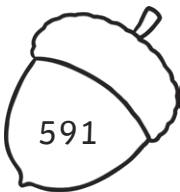
Counting in 4s Autumn Maze

Help the squirrel find a path through the acorn maze by counting on in fours from zero.

0	4	8	12	16	24	16
16		8		20		24
8	12	32	28	24	24	16
4		36		16		32
40	32	24	36	40	44	48	36	28
24		28		32		52		44
24	12	72	68	64	60	56	64	68
60		76		44		48		
28	72	80	84	88	92	96		
24		64		68		100		
48	52	66	70	72	76	80		

Multiplication and Division Facts Autumn Mosaic

Solve the calculations to reveal the hidden picture. Each answer has a special colour.

Brown	Blue	Red	Orange	Yellow
1-6	7-18	19-39	40-65	66-96

27 ÷ 3	72 ÷ 8	24 ÷ 3	21 ÷ 3	10 × 8	7 × 4	4 × 8	8 × 3	5 × 4
3 × 3	21 ÷ 3	36 ÷ 3	7 × 3	11 × 3	20 ÷ 4	7 × 3	12 × 8	9 × 3
6 × 8	12 × 4	36 ÷ 4	11 × 8	9 × 3	12 × 3	12 ÷ 4	6 × 4	10 × 8
12 × 4	12 × 8	7 × 8	3 × 8	48 ÷ 8	9 × 8	15 ÷ 3	3 × 8	1 × 4
5 × 8	9 × 8	10 × 8	12 × 4	4 × 8	20 ÷ 4	12 ÷ 3	40 ÷ 8	12 × 3
11 × 4	1 × 3	11 × 4	7 × 8	1 × 8	9 × 4	4 ÷ 4	24 ÷ 8	9 × 8
20 ÷ 4	16 ÷ 8	32 ÷ 8	12 × 8	36 ÷ 4	64 ÷ 8	1 × 4	8 ÷ 8	30 ÷ 3
9 × 8	12 ÷ 4	6 × 8	32 ÷ 4	3 × 4	72 ÷ 8	2 × 3	16 ÷ 4	72 ÷ 8
33 ÷ 3	8 ÷ 8	80 ÷ 8	21 ÷ 3	36 ÷ 4	24 ÷ 3	48 ÷ 8	20 ÷ 4	21 ÷ 3
27 ÷ 3	24 ÷ 8	27 ÷ 3	80 ÷ 8	4 × 3	36 ÷ 3	3 ÷ 3	16 ÷ 8	44 ÷ 4

Autumn Time I Spy and Show

Count the autumn-themed objects and create a bar chart to show how many of each item you found.

Autumn-Themed Object	Number
Squirrel	
Acorn	
Conker	
Hedgehog	
Leaves	

A Bar Chart to Show the Number of Autumn-Themed Objects Found

Autumn-Themed Object
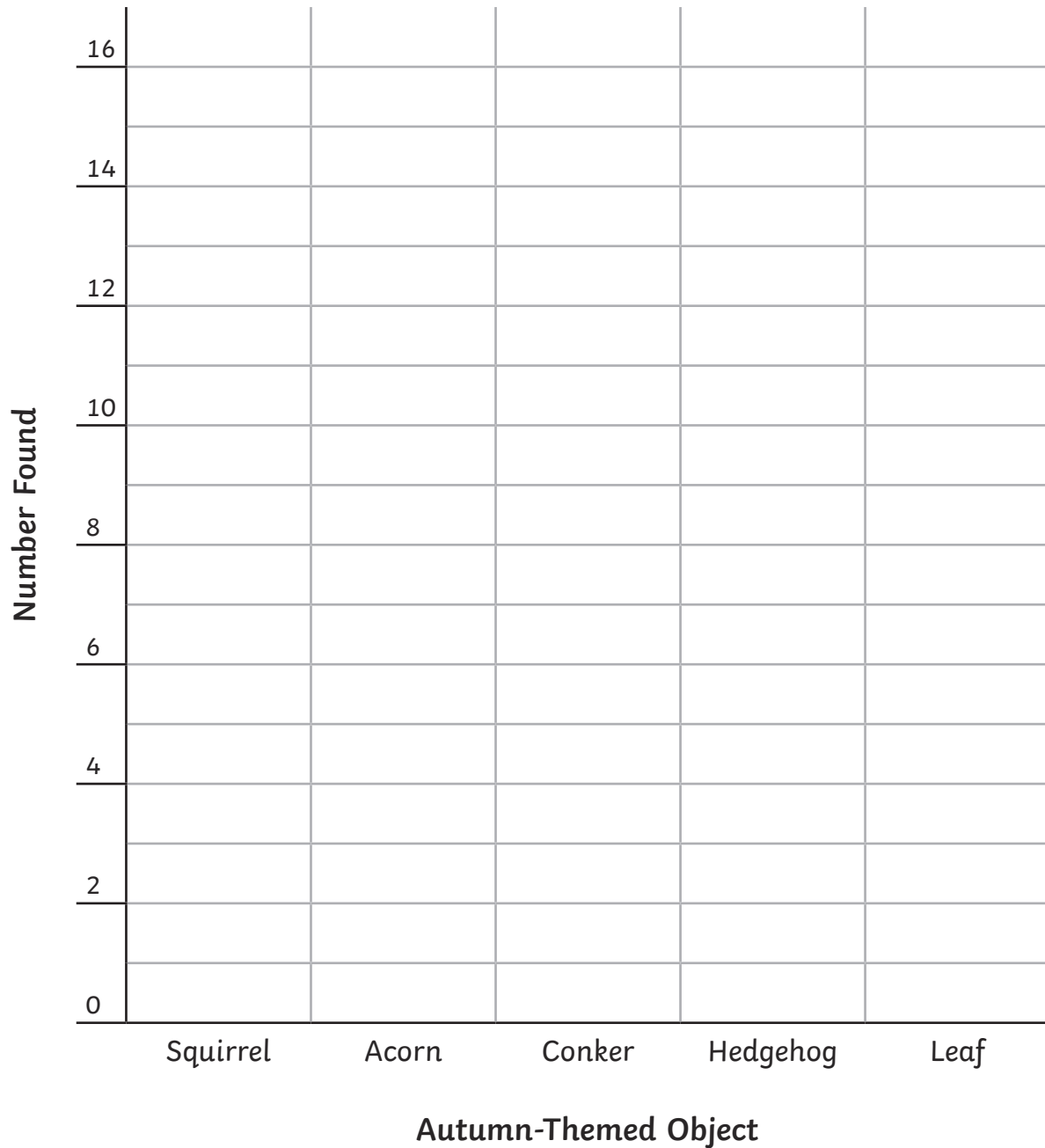
1.   There were more acorns than leaves. Is this true or false?

_____

2.   How many more conkers were found than acorns?

_____

3.   How many animals were found in total?

_____

4.   How many objects were found in total?

_____

Counting in Multiples Dot to Dots

Count on in multiples and join the dots to complete the picture.
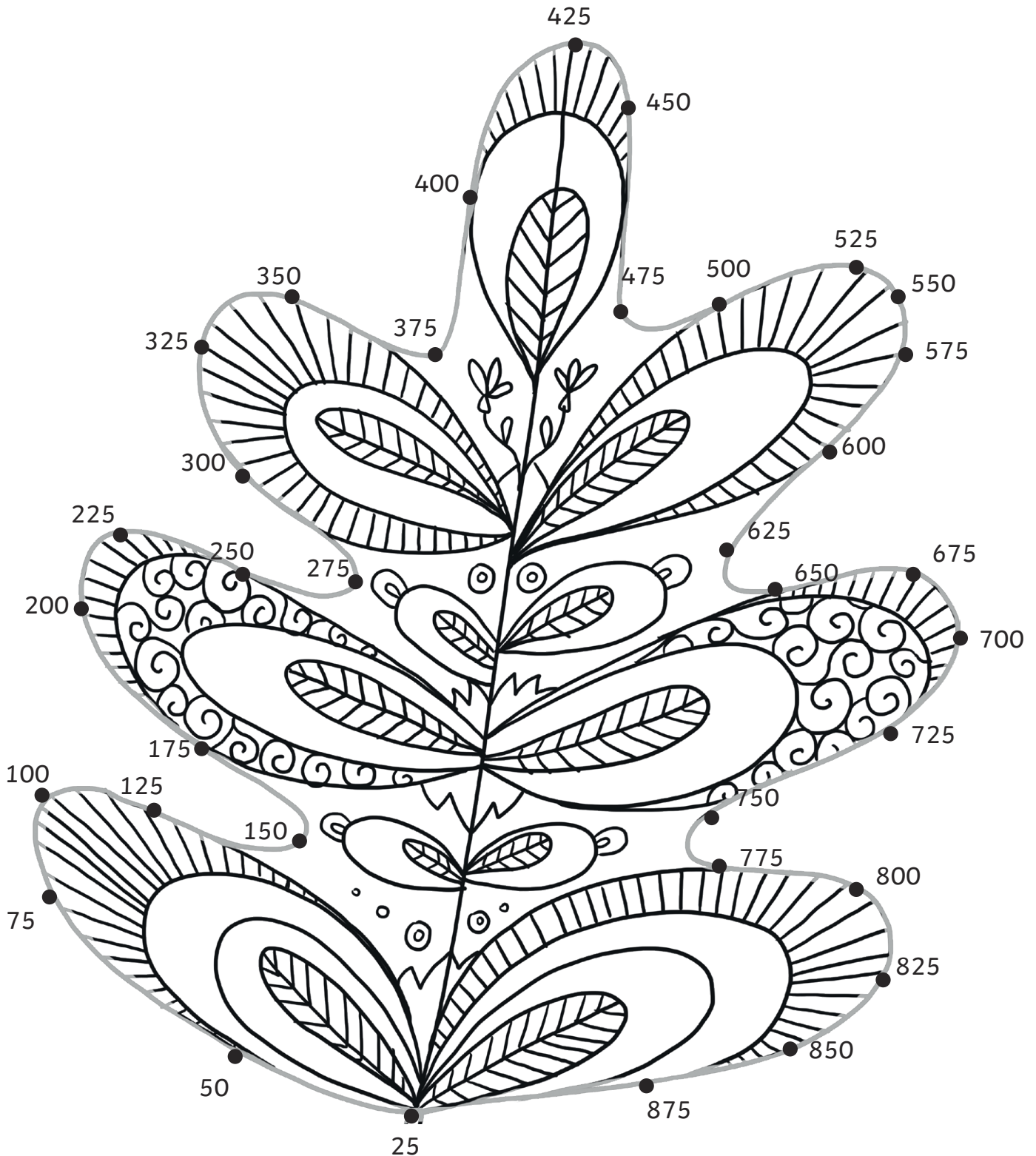
A star dot shows the end of a line. When you reach a star dot, start a new line from the next dot.

Counting in Multiples Dot to Dots

Count on in multiples and join the dots to complete the picture.

A star dot shows the end of a line. When you reach a star dot, start a new line from the next dot.

425
450
400
525
475 500 550
350
575
325 375
600
300
625
225 675
250 275 650
200 700
725
175
100 125 750
150 775 800
75
825
50
850
25 875

Autumn Measures

Read the digital scales and calculate the mass of one item.

Show your working out in each box. The first one has been done for you.

1.

35 ÷ 5 = 7

35g
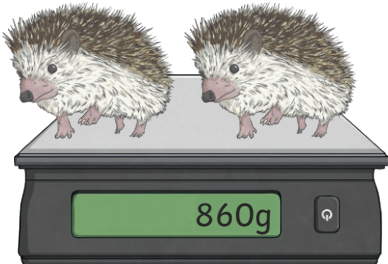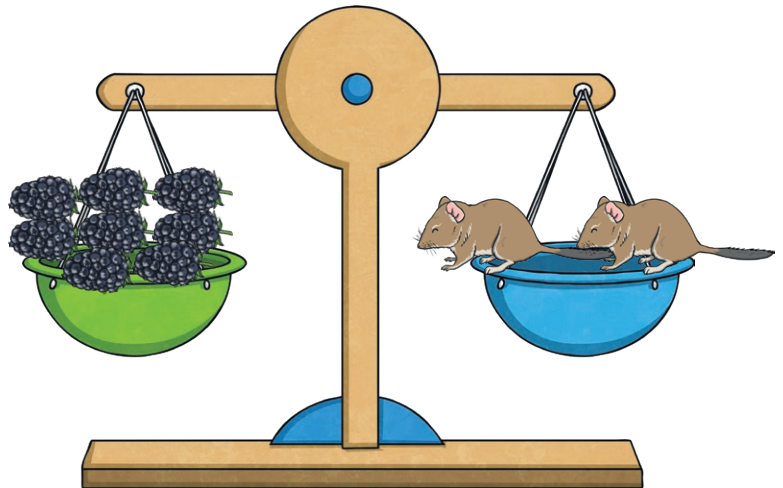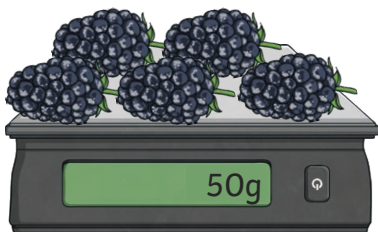
7g

2.

72g

3.

860g

4.

50g

Autumn Measures

Calculate the length of one item.

Write you working out in each box. The first one has been done for you.

1.

$$20 ÷ 5 = 4$$

4
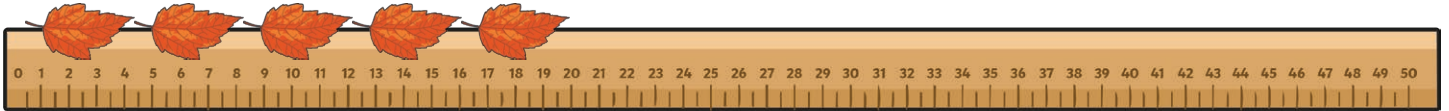
2.

3.

4.

Autumn Measures

Solve the calculations and use the code breaker to spell out the autumn-themed words.

A	B	C	D	E	F	G	H	I	J	K	L	M
26	25	24	23	22	21	20	19	18	17	16	15	14

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
13	12	11	10	9	8	7	6	5	4	3	2	1

	Answer	Letter
8 × 3		
6 × 2		
$\frac{1}{2}$ of 26		
Double 8		
$\frac{1}{4}$ of 88		
45 ÷ 5		

	Answer	Letter
7 × 3		
50 - 32		
9 × 1		
$\frac{1}{2}$ of 44		
50 - 46		
$\frac{1}{2}$ of 24		
$\frac{1}{3}$ of 27		
32 ÷ 2		

	Answer	Letter
150 ÷ 10		
50 - 28		
14 + 12		
40 - 19		
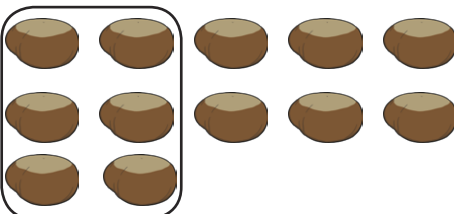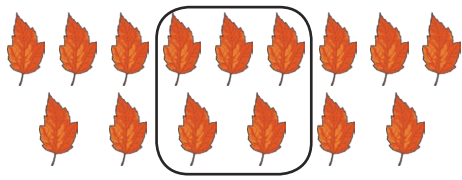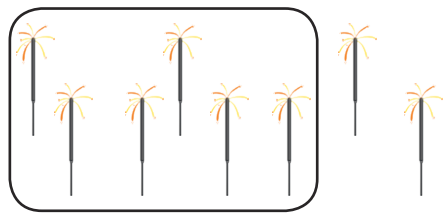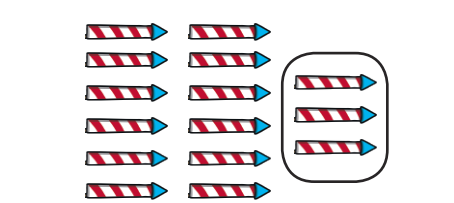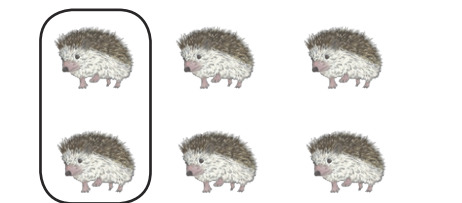
	Answer	Letter
20 - 11		
11 × 2		
46 ÷ 2		

	Answer	Letter
88 ÷ 8		
48 ÷ 8		
30 - 16		
20 - 9		
4 × 4		
9 + 2 + 7		
50 - 37		
64 ÷ 8		

	Answer	Letter
31 - 12		
50 - 24		
100 - 91		
50 ÷ 10		
11 × 2		
40 ÷ 5		
28 ÷ 4		

Harvest Fractions

Write a fraction sentence for each picture. The first one has been done for you.

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

Can you draw some autumn-themed pictures to go with each fraction sentence?

$\frac{1}{2}$ of 6 = 3	$\frac{1}{2}$ of 8 = 4
1/3 of 12 = 4	1/5 of 20 = 4

Autumn Place Value Code Breaker

Use the code breaker to work out the place value of certain digits in these numbers.

2	3	1	8	7	6	9	8	5
acorn	leaf	fireworks	pumpkin	hedgehog	squirrel	candy apple	nut	blackberry

Example:
In the number [leaf][hedgehog], what is [leaf] worth? _____30_____

1. In the number [pumpkin][squirrel][acorn], what is [pumpkin] worth? _____

2. In the number [candy apple][hedgehog][nut], what is [hedgehog] worth? _____

3. In the number [leaf][blackberry][hedgehog], what is [leaf] worth? _____

4. In the number [hedgehog][leaf][fireworks], what is [fireworks] worth? _____

5. In the number [fireworks][hedgehog][pumpkin], what is [fireworks] worth? _____

6. In the number [pumpkin][squirrel][nut], what is [squirrel] worth? _____

Harvest Board Game

You will need:
- counters
- a dice
- pencil

Instructions
- Each player starts the game with 100 points.
- Take turns to throw the dice and move your counter around the board.
- When you land on a square, add or subtract the points on that square to or from your score.
- When one player reaches the finish, everybody must stop and the player with the most points is the winner.

Name:	Name:	Name:	Name:
100	100	100	100

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Harvest Board Game

START

+ 12

− 15

+ 9

− 11

+ 15

− 7

+ 20

FINISH

+ 10

− 4

+ 12

− 15

− 13

+ 10

+ 14

− 13

+ 14

− 10

− 13

+ 14

− 11

+ 16

+ 17

+ 16

− 4

+16

− 9

+ 12

− 12

+ 18