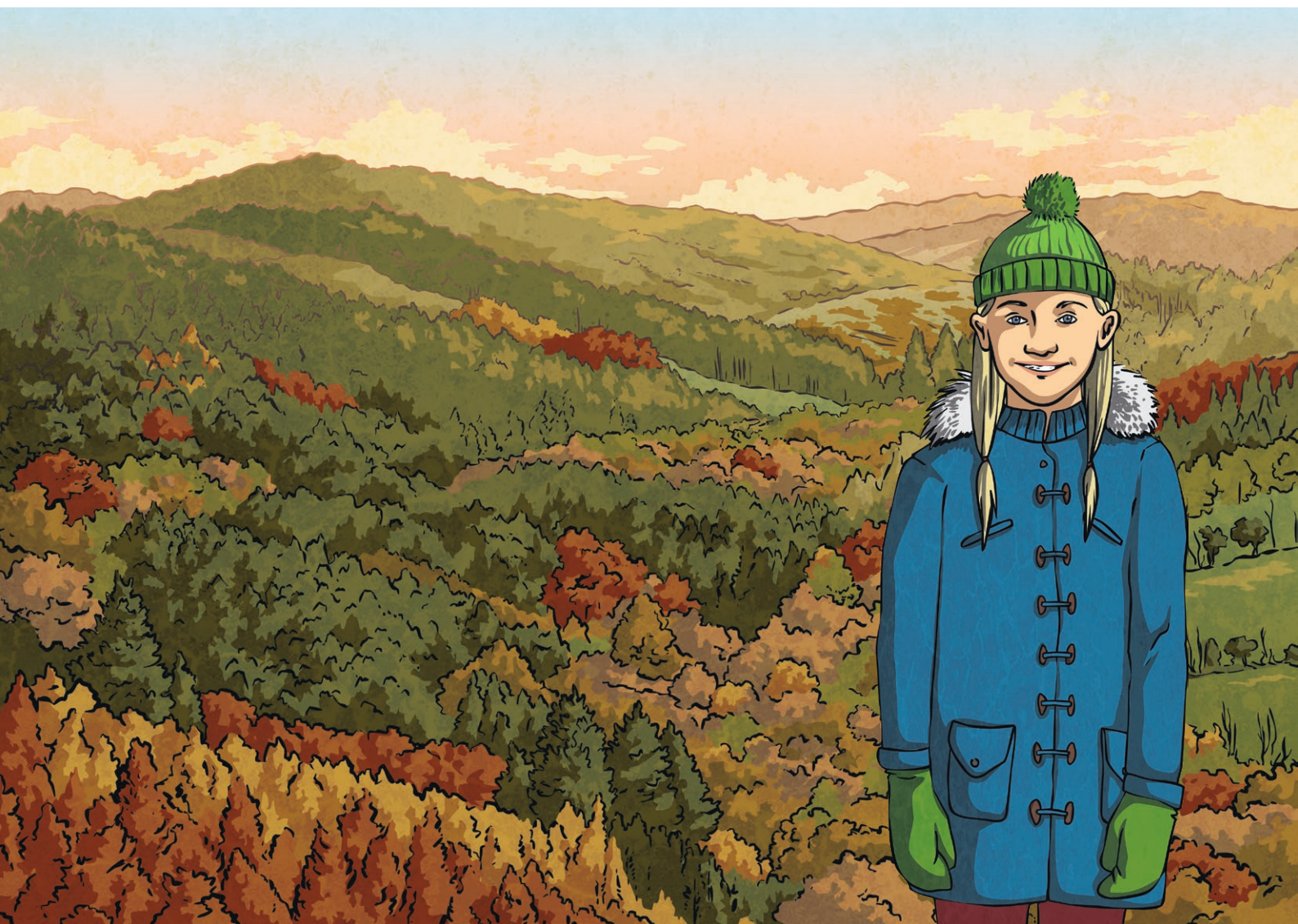


Year 3 Autumn-Themed Maths Activity Booklet

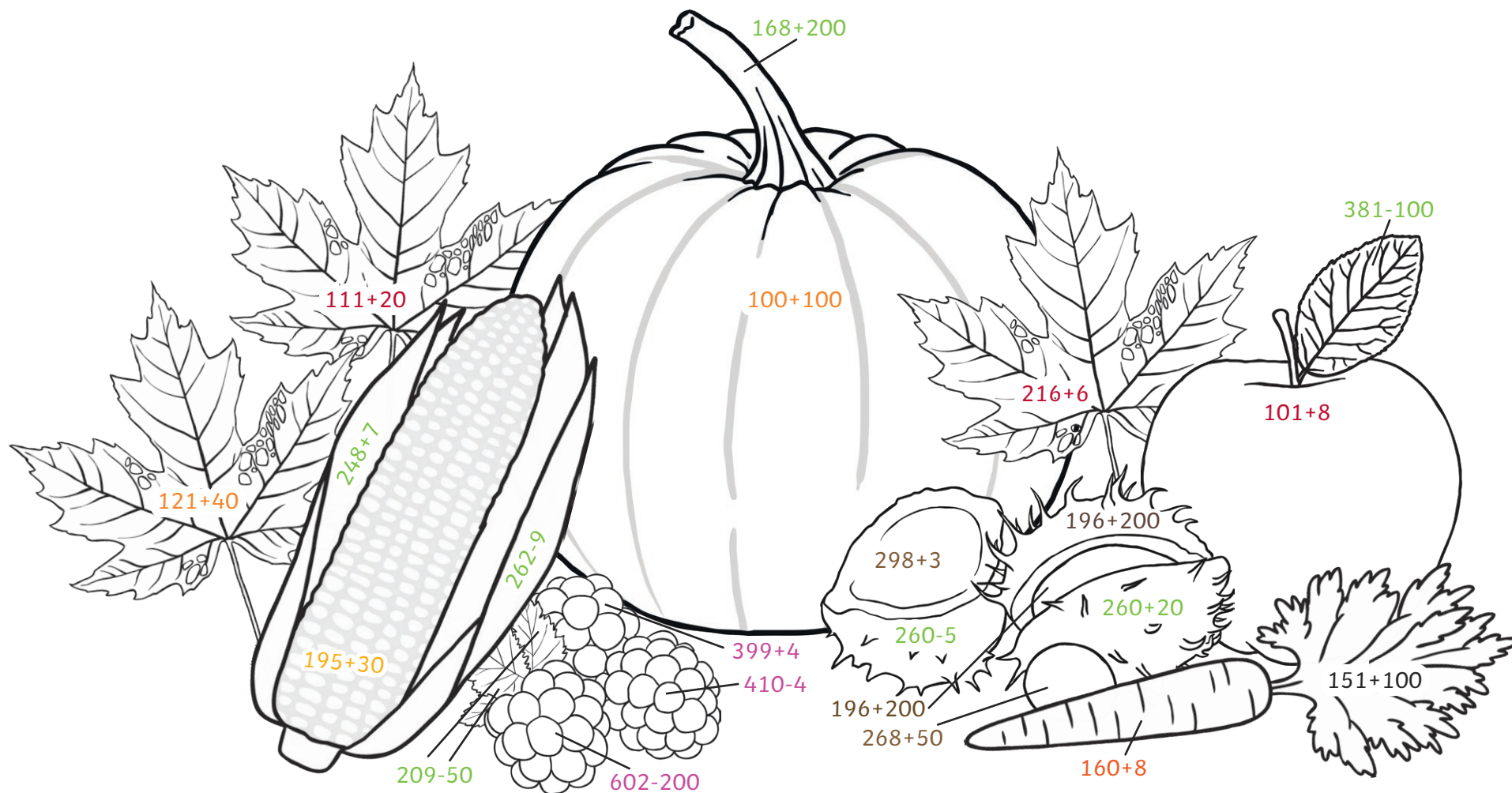
Name: _____



Autumn Colour by Calculations

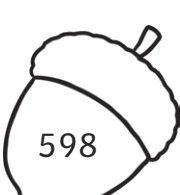
Solve the calculations and use the key to colour each part of the autumn-themed picture.

Red	Orange	Yellow	Green	Light Brown	Dark Brown	Pink
100 - 150	151 - 200	201 - 250	251 - 300	301 - 350	351 - 400	401-450



Autumn Sorting

















Organise the numbers on the acorns from smallest to greatest.

1.	 185 118	 151 151	 181 158	 118 181	 158 185
2.	 306 63063	 603 306	 360 360	 630 603	 63 630
3.	 859 598	 598 859	 985 895	 958 958	 895 985
4.	 804 408	 408 480	 840 804	 480 808	 808 840
5.	 951 159	 519 519	 159 591	 915 915	 591 951

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
24		28		32		52	
24	12	72	68	64	60	56	64
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

1-6

Blue

7-18

Red

19-39

Orange

40-65

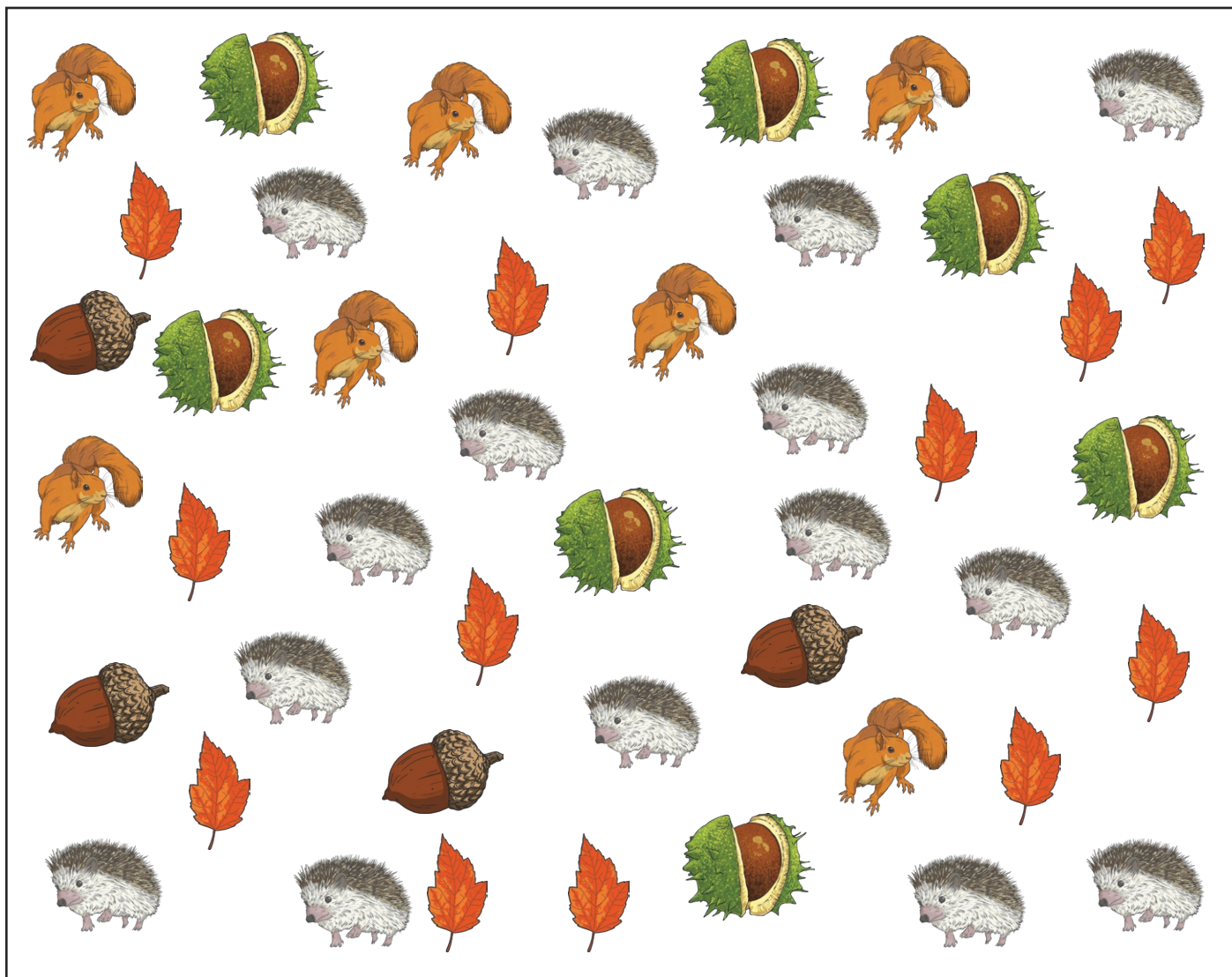
Yellow

66-96

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

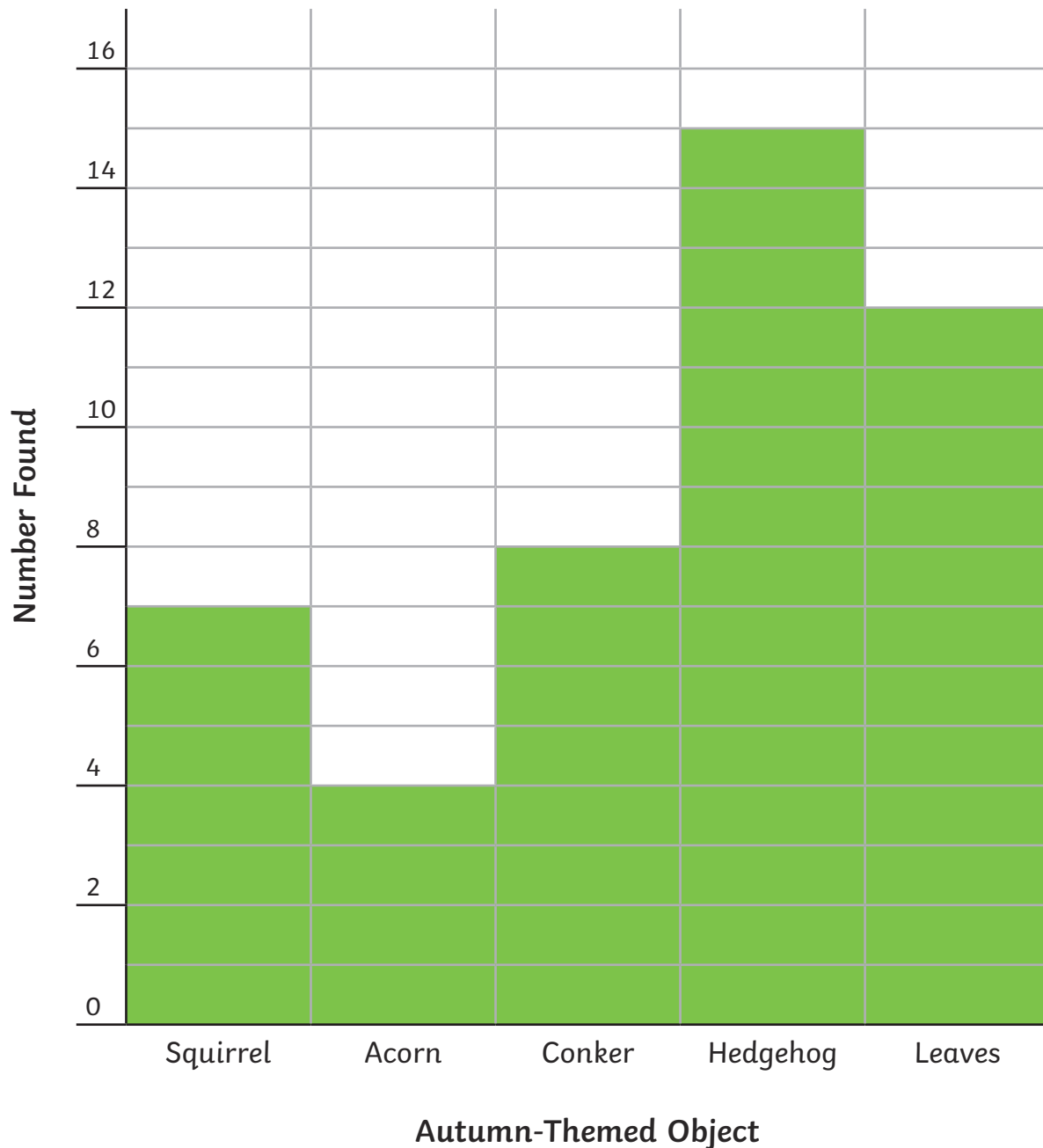
Autumn Time I Spy and Show

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



Autumn-Themed Object	Number
Squirrel	7
Acorn	4
Conker	8
Hedgehog	15
Leaves	12

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



1. There were more acorns than leaves. Is this true or false?

False. There were 4 acorns found and 12 leaves.

2. How many more conkers were found than acorns?

$$8 - 4 = 4$$

3. How many animals were found in total?

$$15 + 7 = 22$$

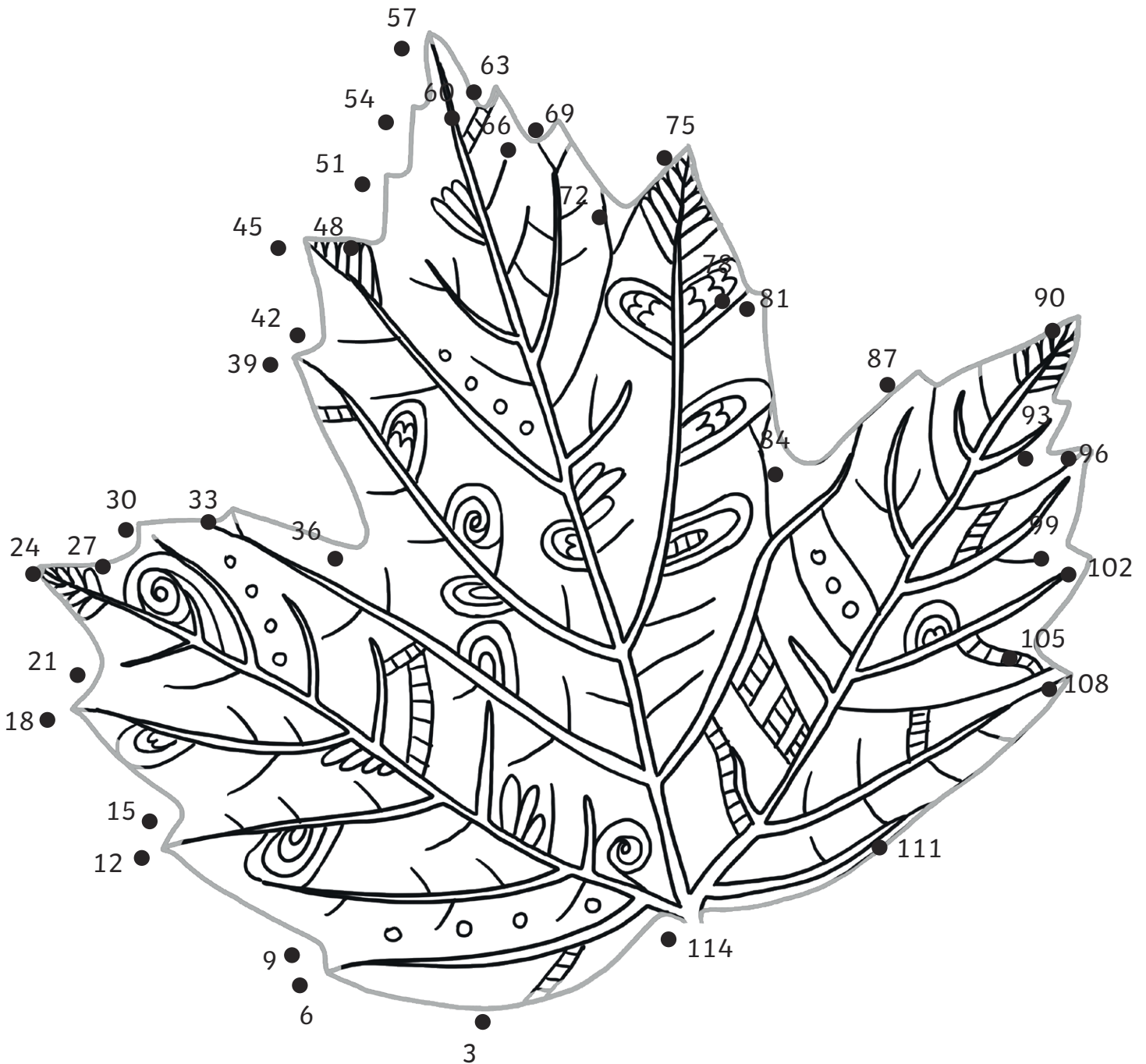
4. How many objects were found in total?

$$4 + 7 + 8 + 12 + 15 = 46$$

Counting in Multiples Dot to Dots

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

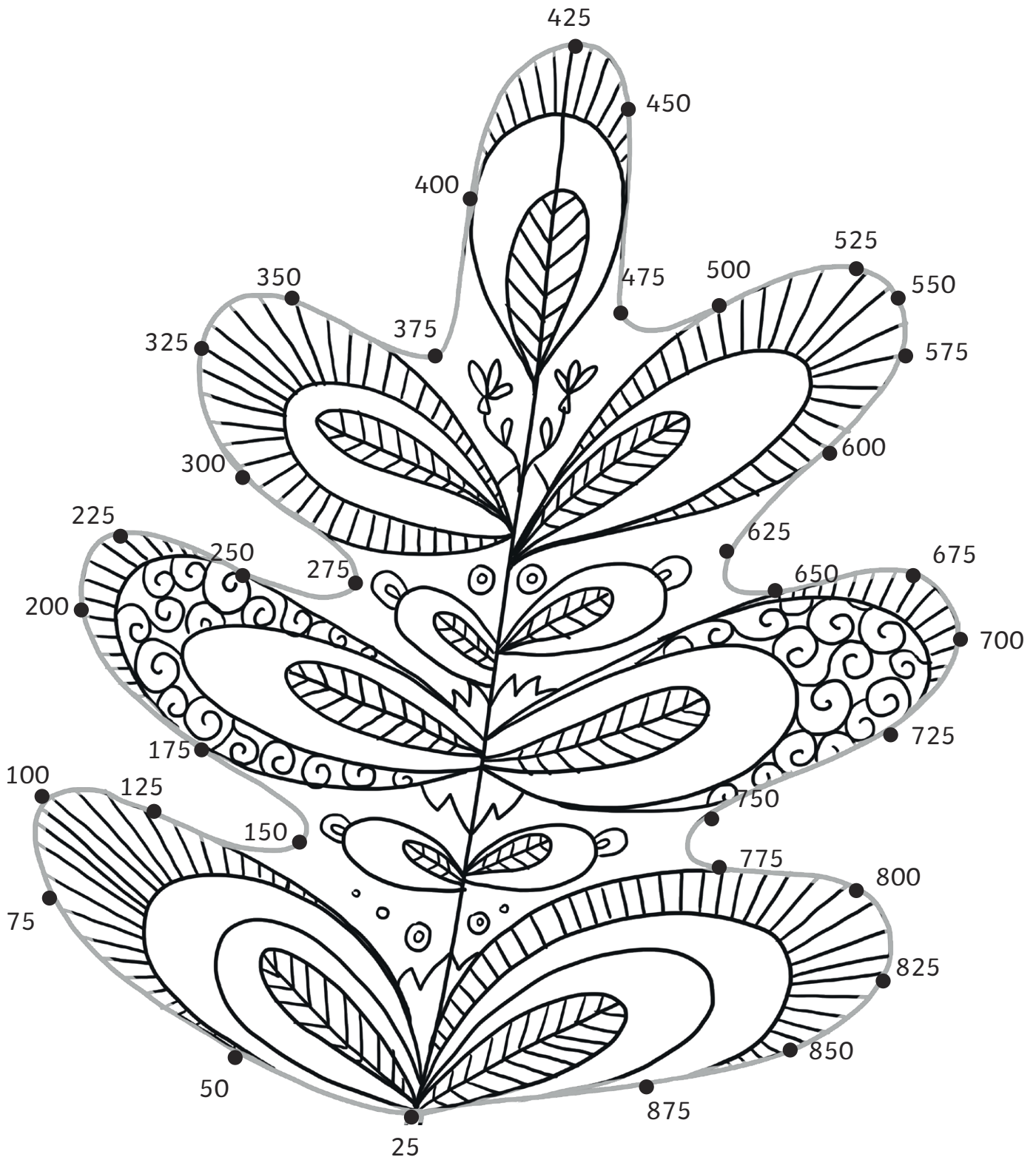
A star dot shows the end of a line. When you reach a star dot, start a new line from the next dot.



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.



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.



$$35 \div 5 = 7$$



7g

2.

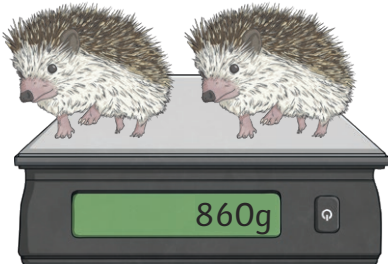


$$72 \div 8 = 9$$



9g

3.

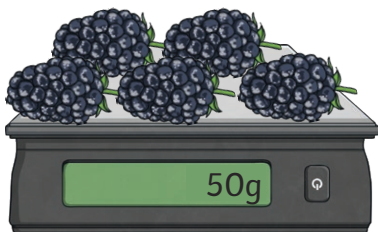


$$860 \div 2 = 430$$



430g

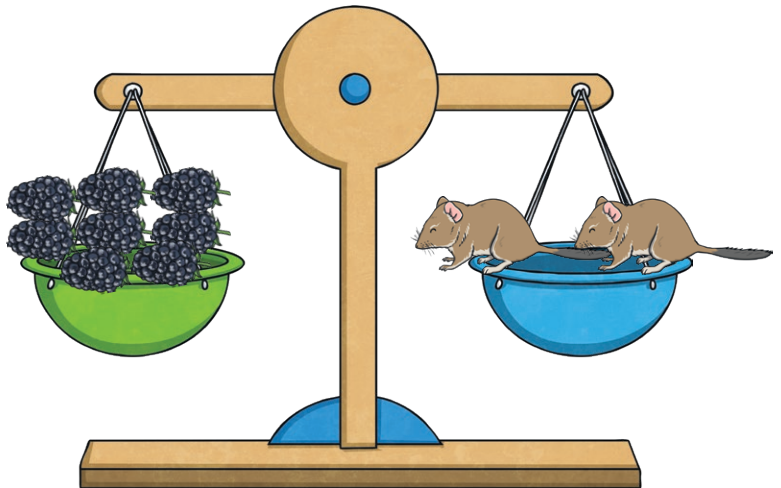
4.



$$50 \div 5 = 10$$



10g



$$8 \times 10 = 80$$

$$80 \div 2 = 40$$



40g

Autumn Measures

Calculate the length of one item.

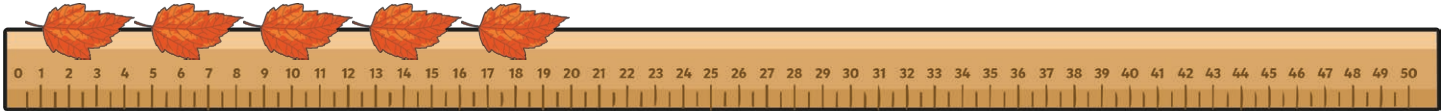
Write your working out in each box. The first one has been done for you.

1.

$$20 \div 5 = 4$$



4

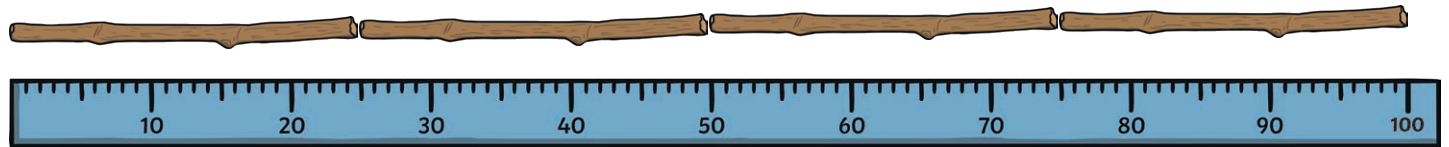


2.

$$100 \div 4 = 25$$



25cm



3.

$$30 \div 10 = 3$$



3cm



4.



$$36 \div 3 = 12$$



12cm



$$2 \times 12 = 24$$



$$24 \div 3 = 8$$

8cm

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	24	C
6×2	12	O
$\frac{1}{2}$ of 26	13	N
Double 8	16	K
$\frac{1}{4}$ of 88	22	E
$45 \div 5$	9	R

	Answer	Letter
7×3	21	F
$50 - 32$	18	I
9×1	9	R
$\frac{1}{2}$ of 44	22	E
$50 - 46$	4	W
$\frac{1}{2}$ of 24	12	O
$\frac{1}{3}$ of 27	9	R
$32 \div 2$	16	K

	Answer	Letter
$150 \div 10$	15	L
$50 - 28$	22	E
$14 + 12$	26	A
$40 - 19$	21	F


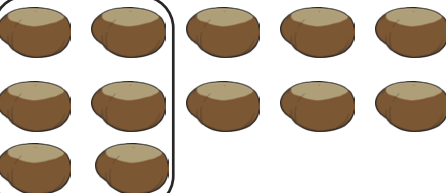
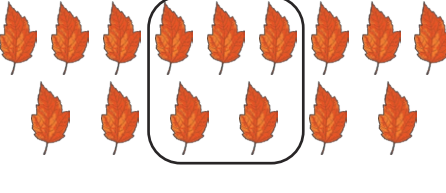
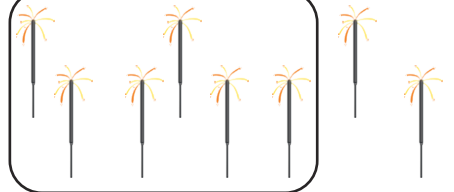
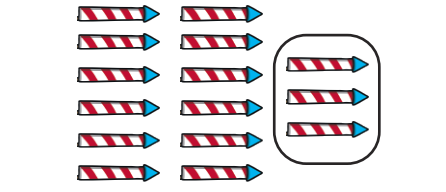

	Answer	Letter
$20 - 11$	9	R
11×2	22	E
$46 \div 2$	23	D

	Answer	Letter
$88 \div 8$	11	P
$48 \div 8$	6	U
$30 - 16$	14	M
$20 - 9$	11	P
4×4	16	K
$9 + 2 + 7$	18	I
$50 - 37$	13	N
$64 \div 8$	8	S

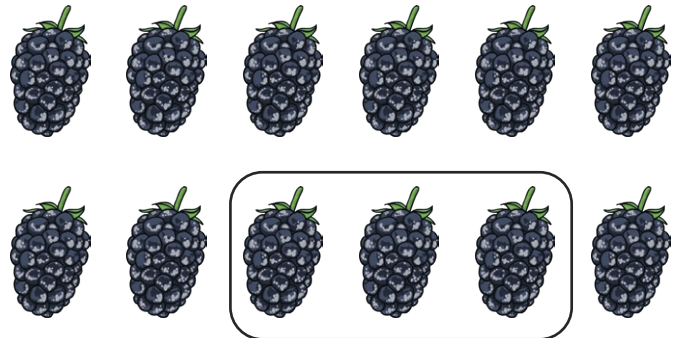
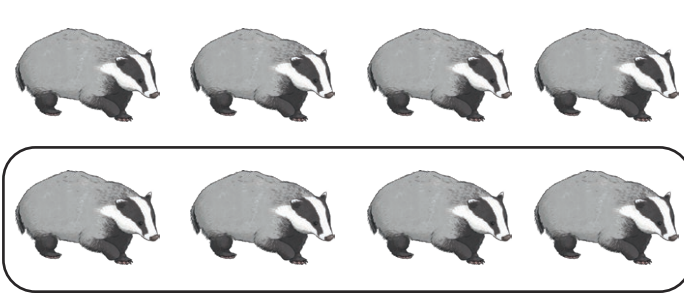
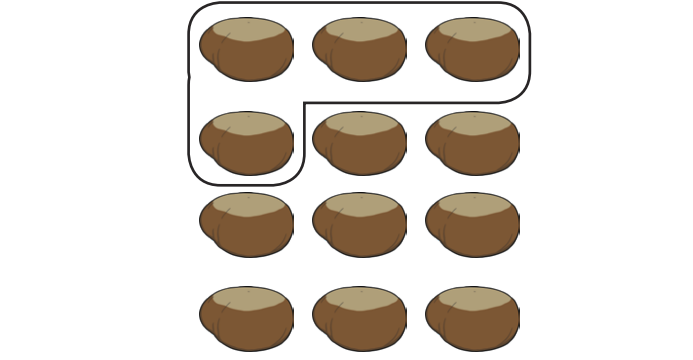
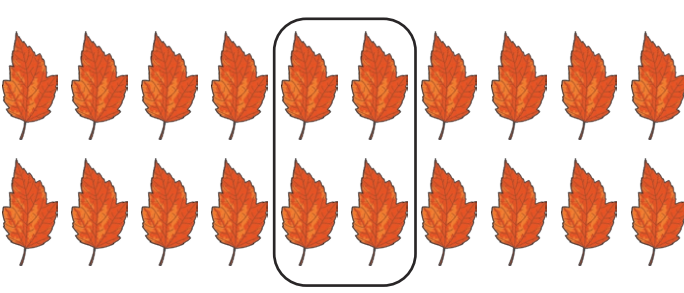
	Answer	Letter
$31 - 12$	19	H
$50 - 24$	26	A
$100 - 91$	9	R
$50 \div 10$	5	V
11×2	22	E
$40 \div 5$	8	S
$28 \div 4$	7	T

Harvest Fractions

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

 <p>$\frac{1}{2}$ of 6 = 3</p>	 <p>$\frac{1}{2}$ of 12 = 6</p>	 <p>$\frac{1}{3}$ of 15 = 5</p>
 <p>$\frac{3}{4}$ of 8 = 6</p>	 <p>$\frac{1}{5}$ of 15 = 3</p>	 <p>$\frac{1}{3}$ of 6 = 2</p>

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




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





Autumn Place Value Code Breaker





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











Example:





In the number   , what is  worth? 30





1. In the number    , what is  worth? **800**

2. In the number    , what is  worth? **70**

3. In the number    , what is  worth? **300**

4. In the number    , what is  worth? **1**

5. In the number    , what is  worth? **100**

6. In the number    , what is  worth? **60**

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

Harvest Board Game

