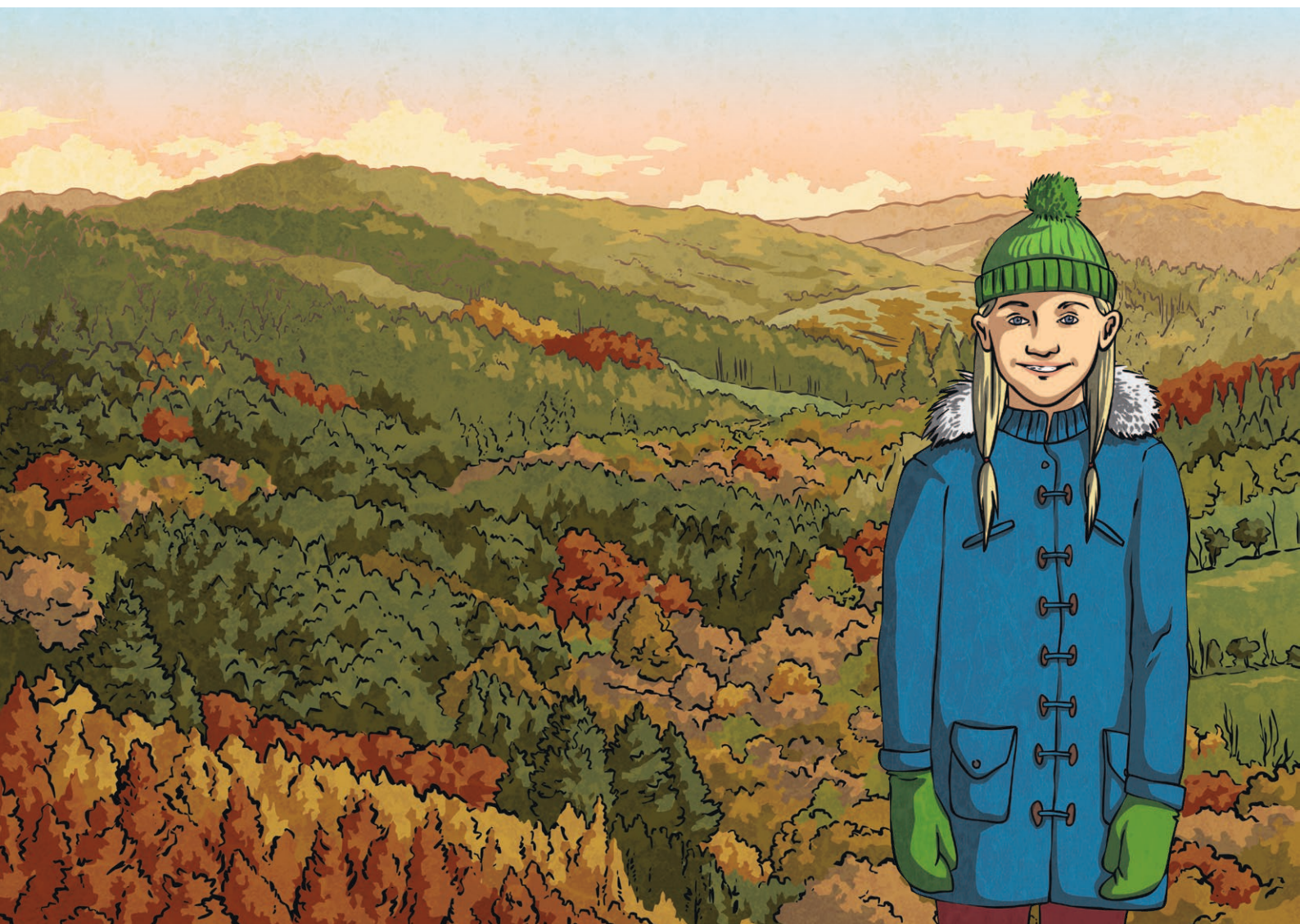


# Year 3 Autumn-Themed Maths Activity Booklet

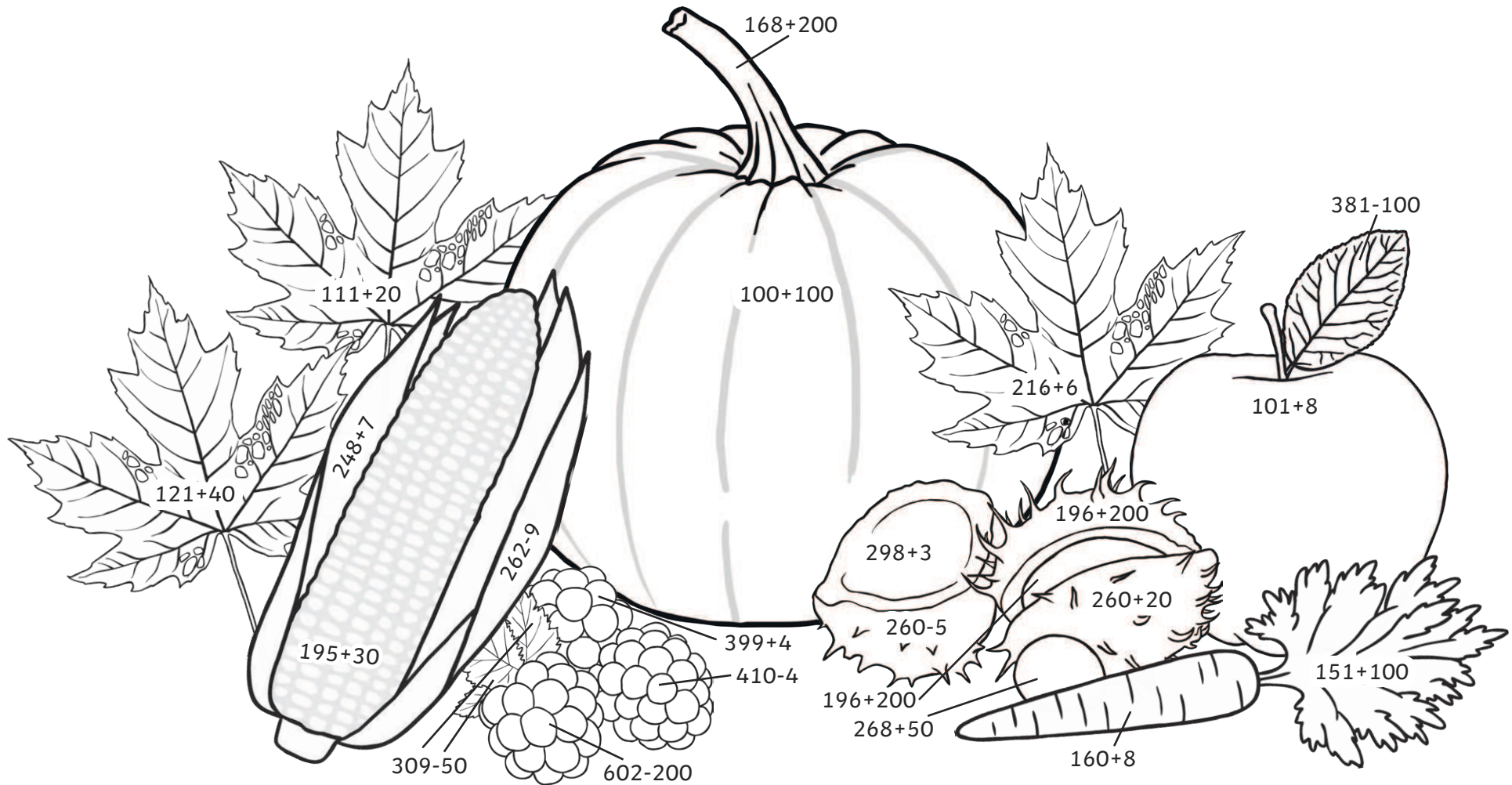
Name: \_\_\_\_\_



# Autumn Colour by Calculations

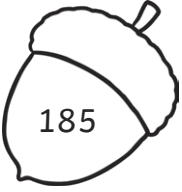
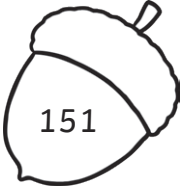
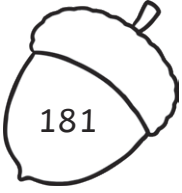
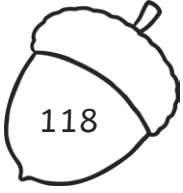
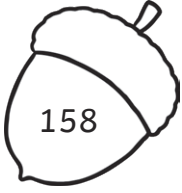
Solve the calculations and use the key to colour each part of the autumn-themed picture.

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

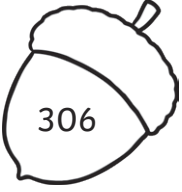
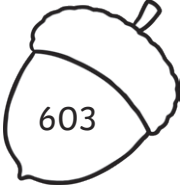
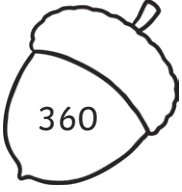
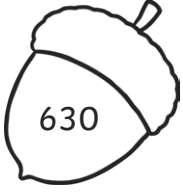
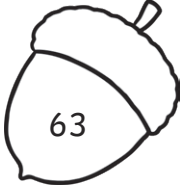


# Autumn Sorting


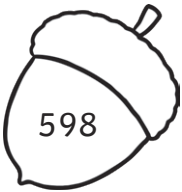
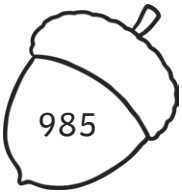
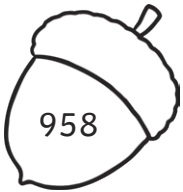
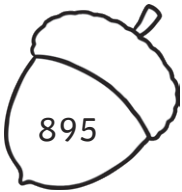
Organise the numbers on the acorns from smallest to greatest.

1.     

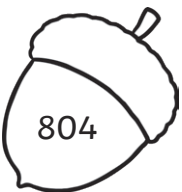
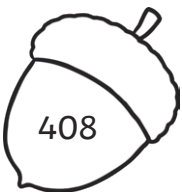

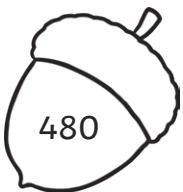
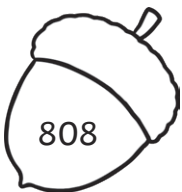
\_\_\_\_\_

2.     



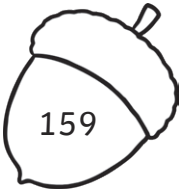

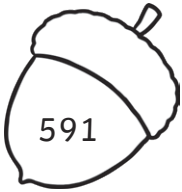
\_\_\_\_\_

3.     

\_\_\_\_\_

4.     

\_\_\_\_\_

















5.     

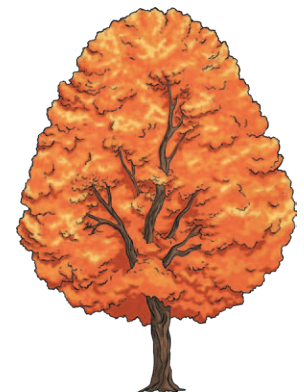
\_\_\_\_\_

# 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

1-6

Blue

7-18

Red

19-39

Orange

40-65

Yellow

66-96

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

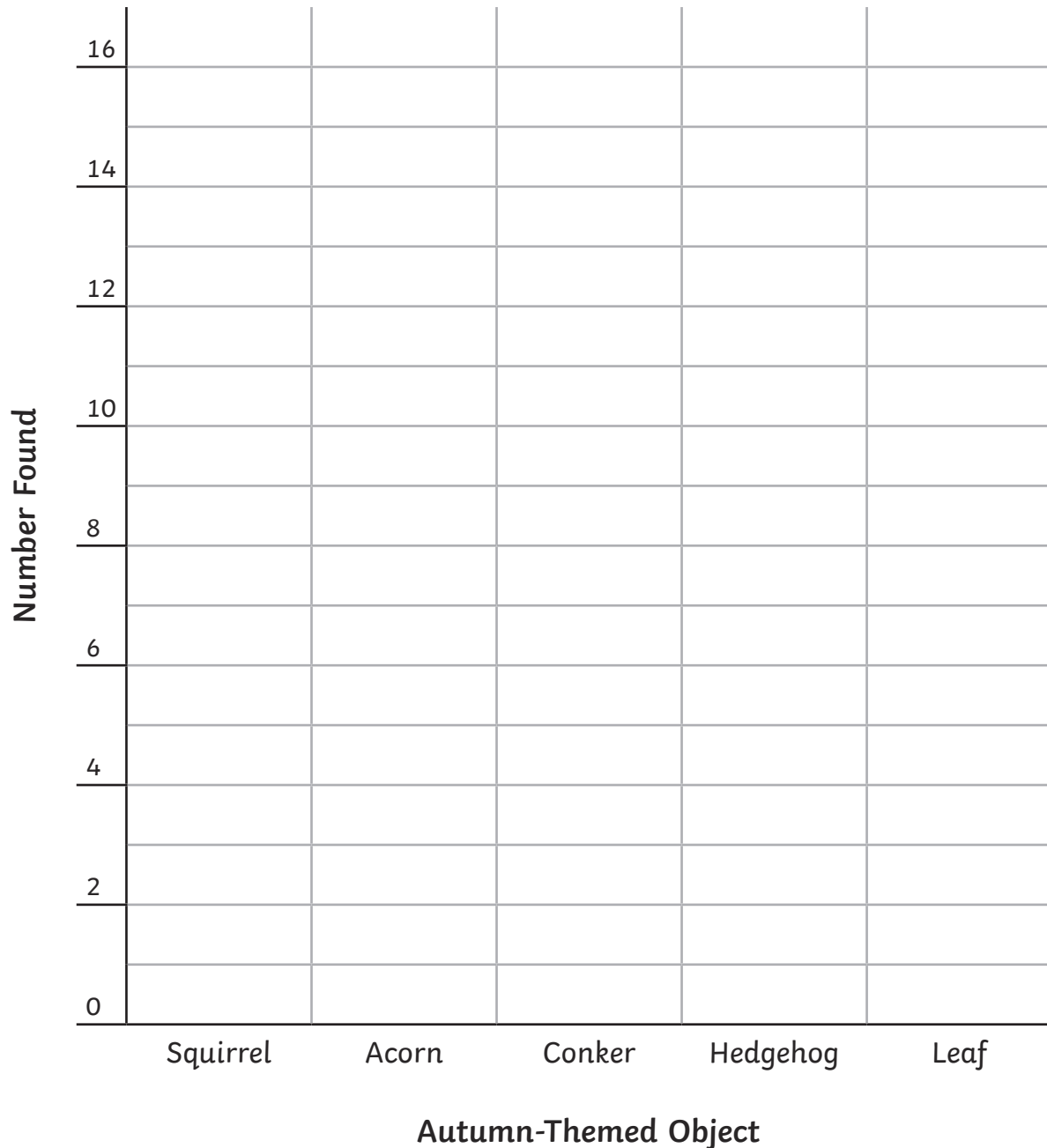
# Autumn Time I Spy and Show

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



Autumn-Themed Object	Number
Squirrel	
Acorn	
Conker	
Hedgehog	
Leaves	

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



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?

---

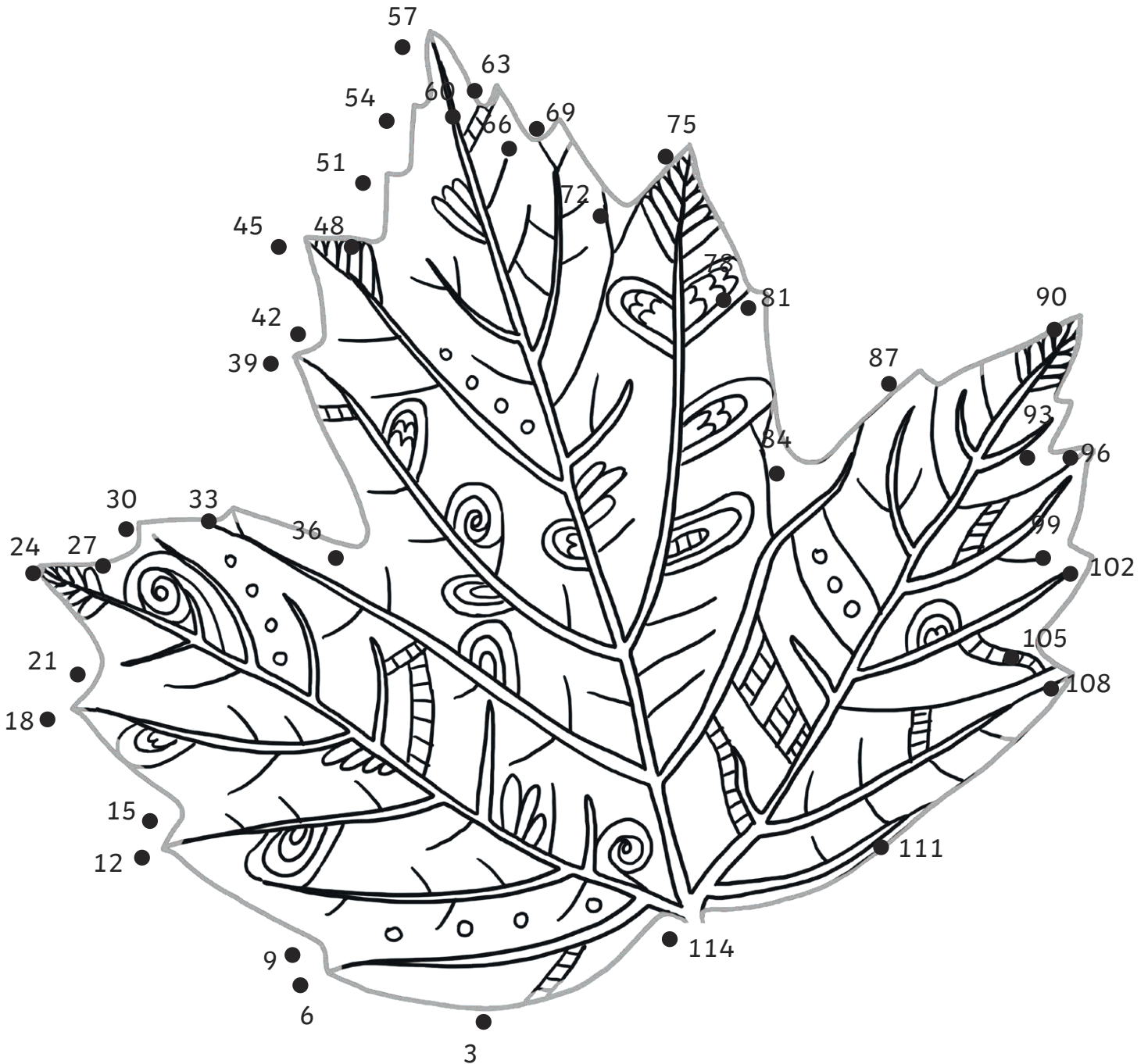
4. How many objects were found in total?

---

# Counting in Multiples Dot to Dots

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

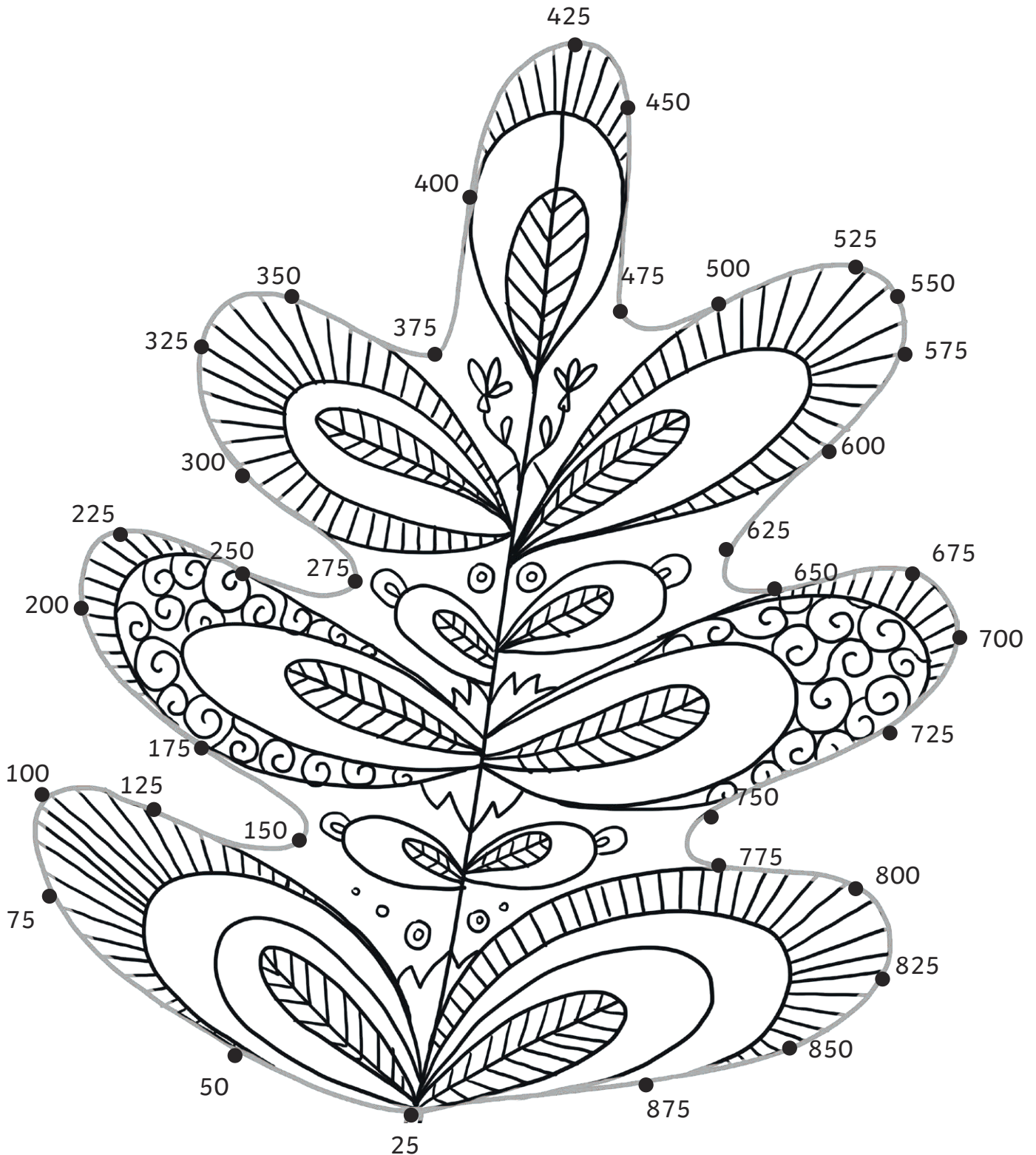
A star dot shows the end of a line. When you reach a star dot, start a new line from the next dot.



# 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.



# 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.



$$35 \div 5 = 7$$

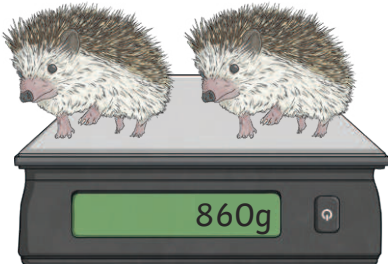


7g

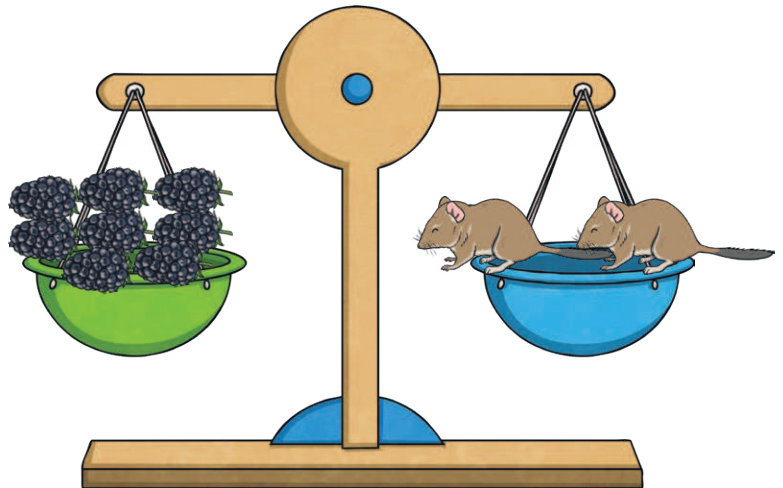
2.



3.



4.



# Autumn Measures

Calculate the length of one item.

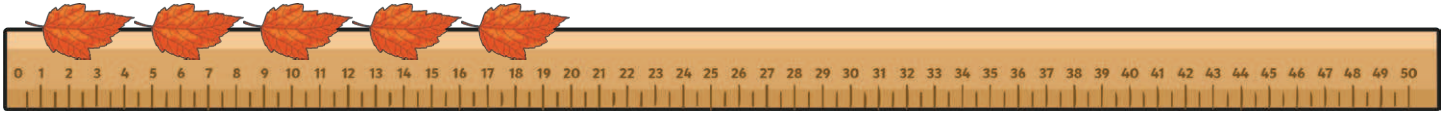
Write your working out in each box. The first one has been done for you.

1.

$$20 \div 5 = 4$$

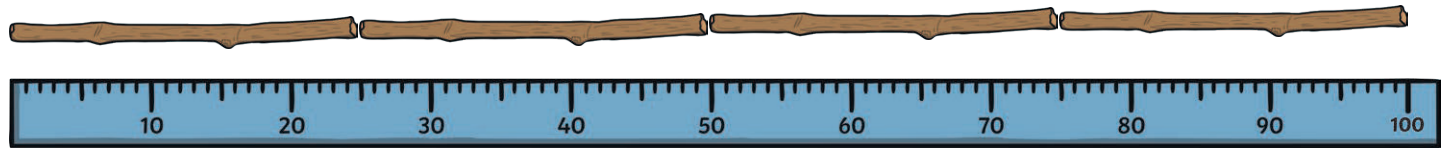


4



2.

\_\_\_\_\_



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
$8 \times 3$		
$6 \times 2$		
$\frac{1}{2}$ of 26		
Double 8		
$\frac{1}{4}$ of 88		
$45 \div 5$		

	Answer	Letter
$20 - 11$		
$11 \times 2$		
$46 \div 2$		

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


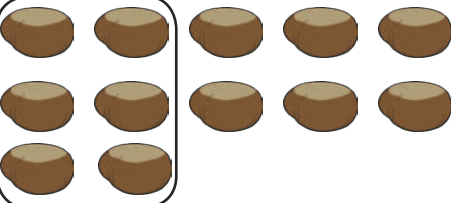
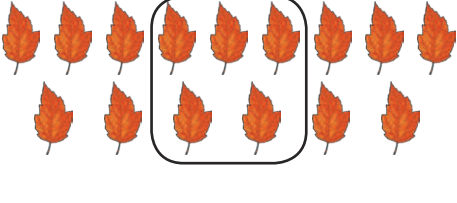
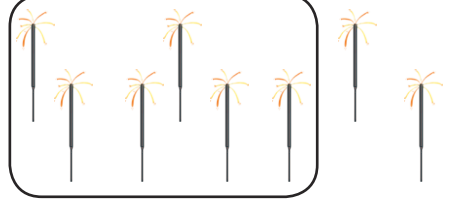
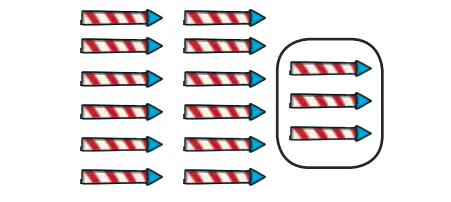
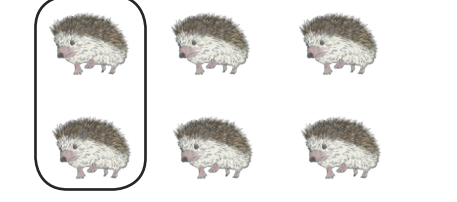
	Answer	Letter
$88 \div 8$		
$48 \div 8$		
$30 - 16$		
$20 - 9$		
$4 \times 4$		
$9 + 2 + 7$		
$50 - 37$		
$64 \div 8$		

	Answer	Letter
$150 \div 10$		
$50 - 28$		
$14 + 12$		
$40 - 19$		

	Answer	Letter
$31 - 12$		
$50 - 24$		
$100 - 91$		
$50 \div 10$		
$11 \times 2$		
$40 \div 5$		
$28 \div 4$		

# Harvest Fractions

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

 <p><math>\frac{1}{2}</math> of 6 = 3</p> <p>_____</p>	 <p>_____</p>	 <p>_____</p>
 <p>_____</p>	 <p>_____</p>	 <p>_____</p>

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

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

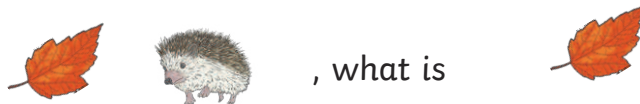
# Autumn Place Value Code Breaker

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

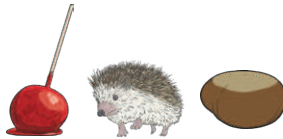


, what is



worth? \_\_\_\_\_

2. In the number



, what is



worth? \_\_\_\_\_

3. In the number



, what is



worth? \_\_\_\_\_

4. In the number

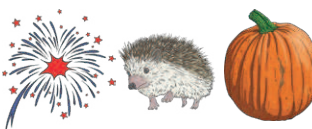


, what is



worth? \_\_\_\_\_

5. In the number



, what is



worth? \_\_\_\_\_

6. In the number



, what is



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

# Harvest Board Game

<b>START</b>	 + 12	 - 15			
			 + 9	 - 11	 + 15
<b>FINISH</b>					 + 20
	 + 10	 - 4	 + 12	 - 15	 - 13
			 + 10	 + 14	
 - 13	 + 14	 - 11	 + 16	 - 10	
 + 17					 + 16
 - 4	 + 16	 - 9	 + 12	 - 12	 + 18