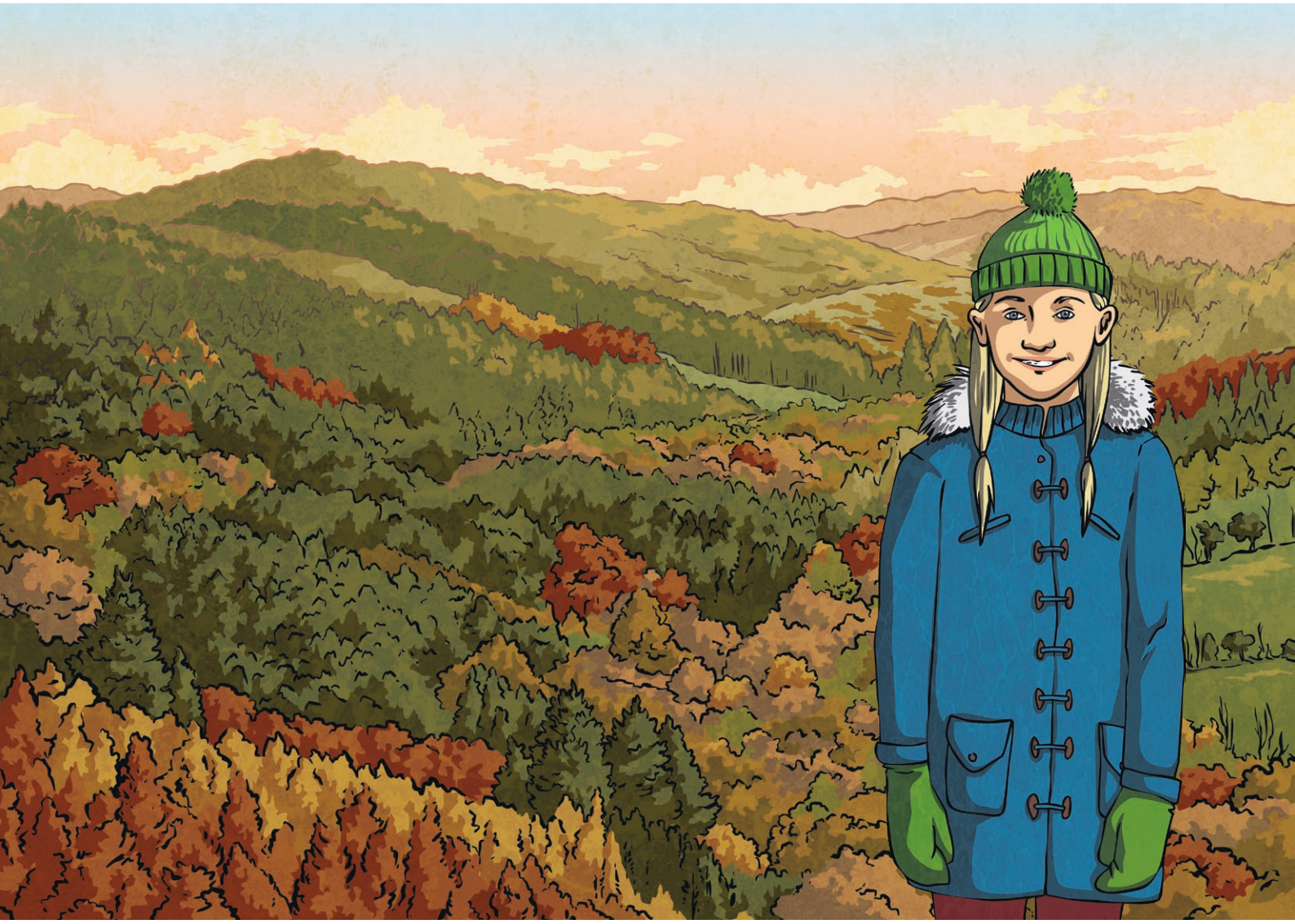
Year 3 Autumn-Themed

Maths Activity Booklet

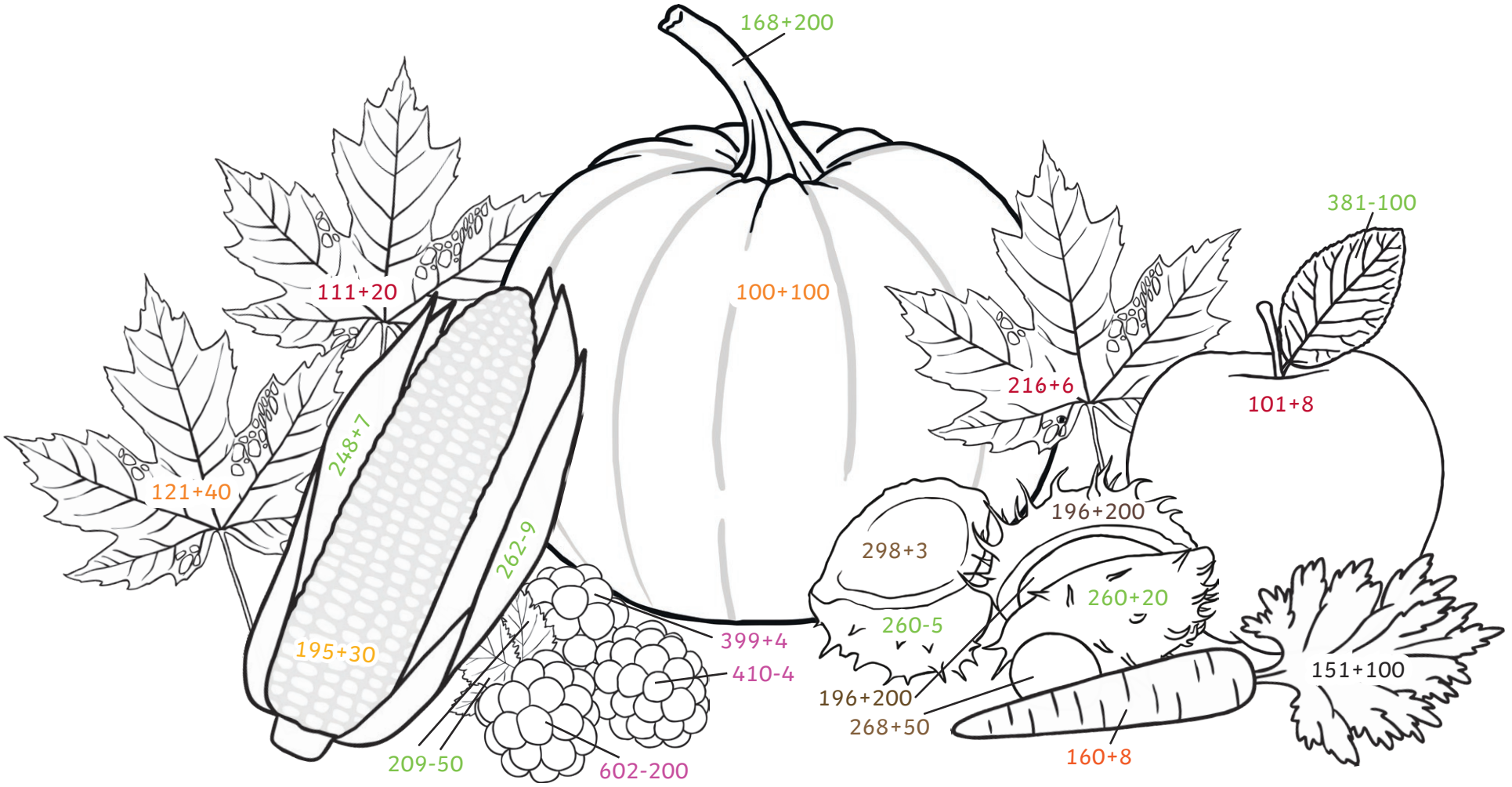
Name: _____



Autumn Colour by Calculations

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

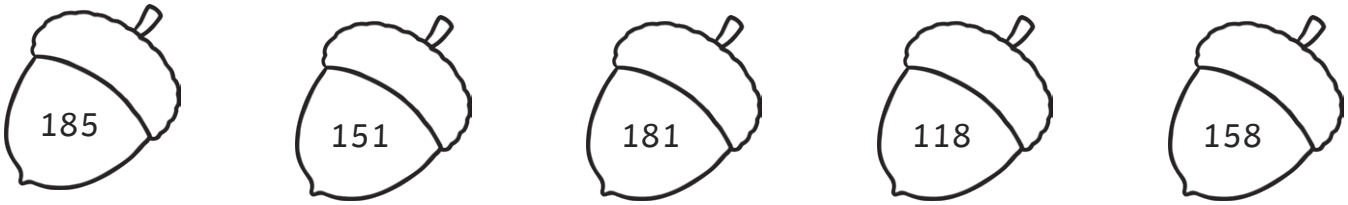
Red	Orange	Yellow	Green	Light Brown	Dark Brown	Pink
100 - 150	151 - 200	201 - 250	251 - 300	301 - 350	351 - 400	401-450



Autumn Sorting

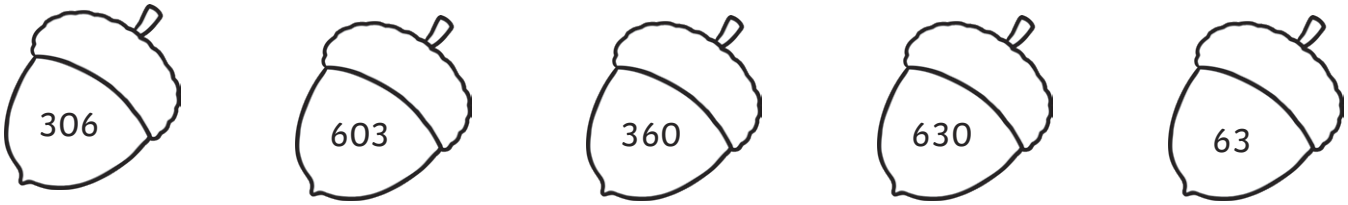
Organise the numbers on the acorns from smallest to greatest.

1.



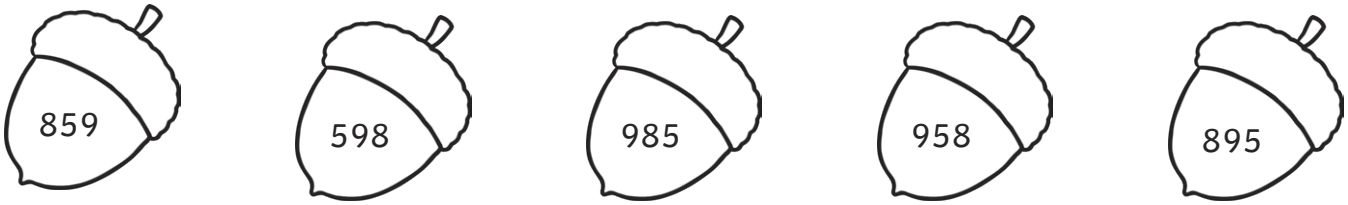
118 **151** **158** **181** **185**

2.



63063 **306** **360** **603** **630**

3.

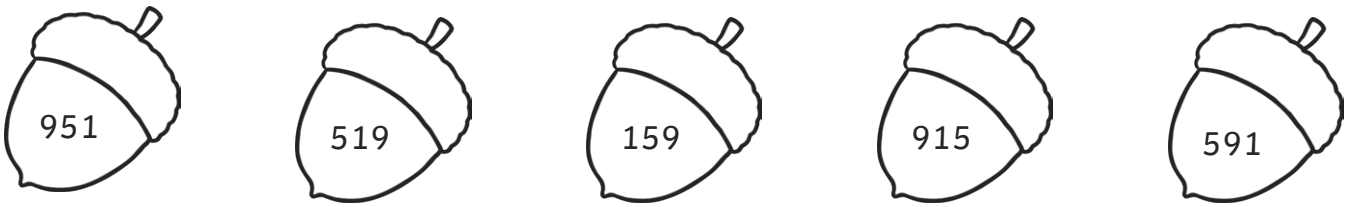


598 **859** **895** **958** **985**

4.

408 **480** **804** **808** **840**

5.



159 **519** **591** **915** **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	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

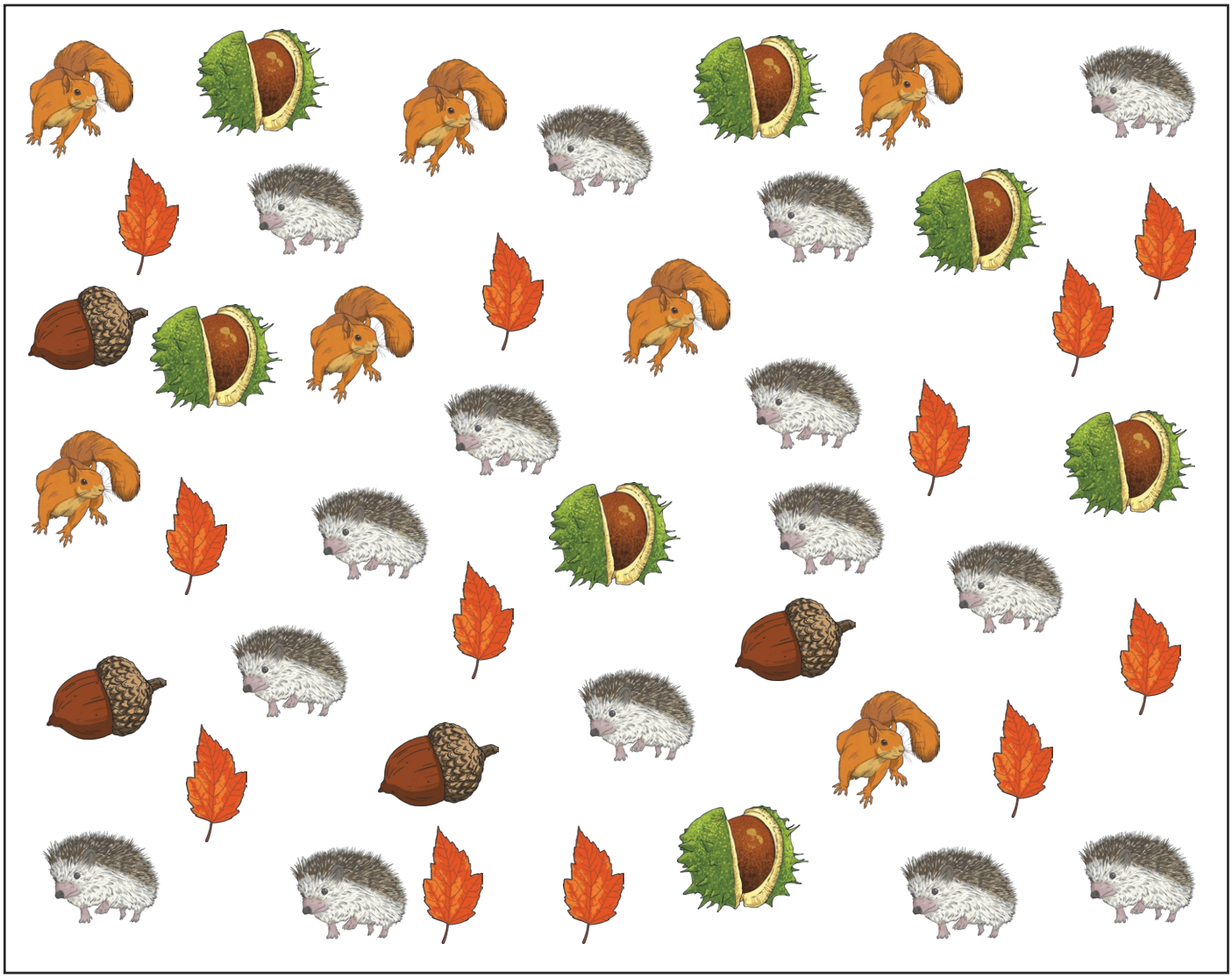
Solve the calculations to reveal the hidden picture. Each answer has a special colour.

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

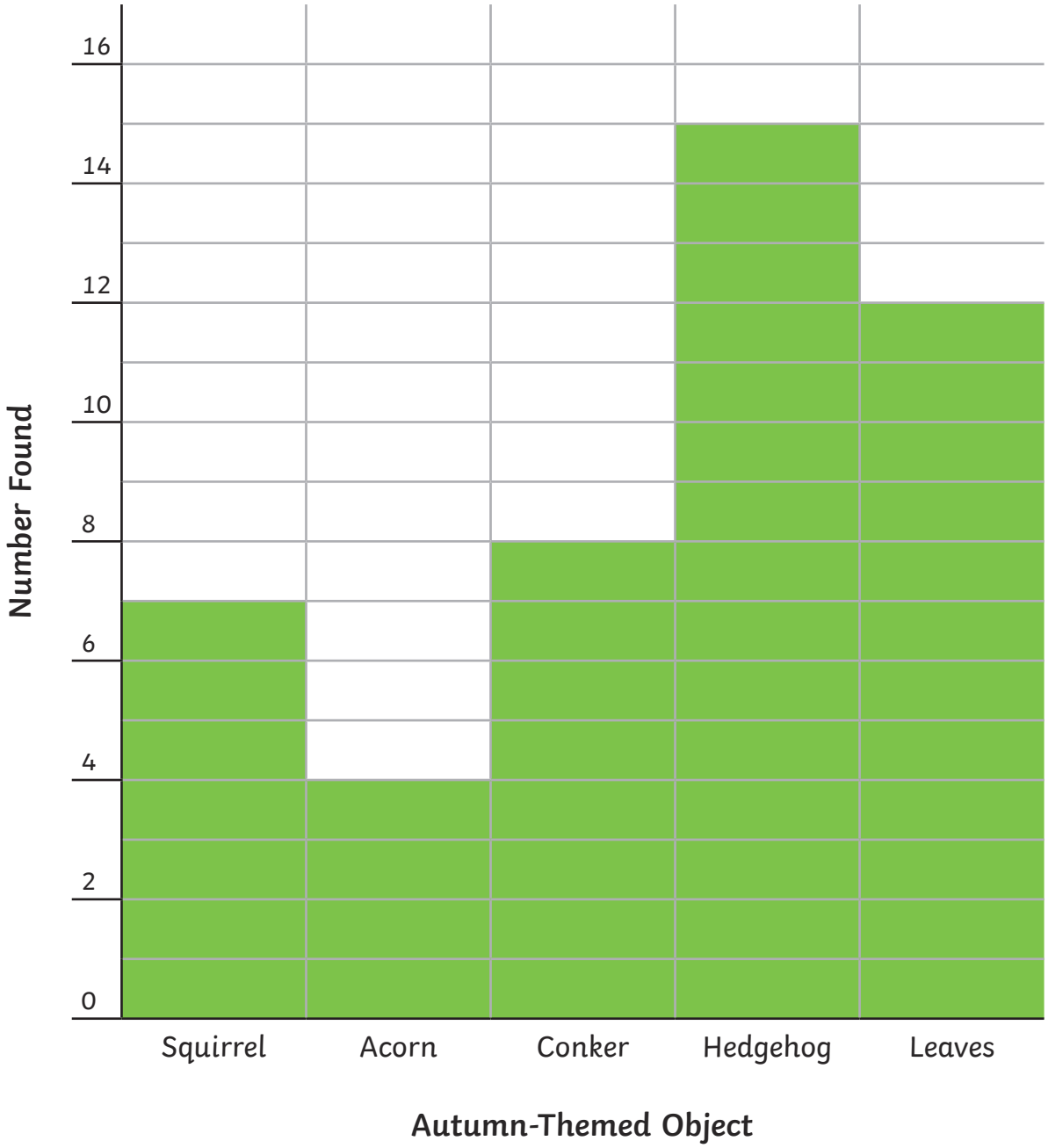
Autumn Time I Spy and Show

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



Autumn-Themed Object	Number
Squirrel	**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

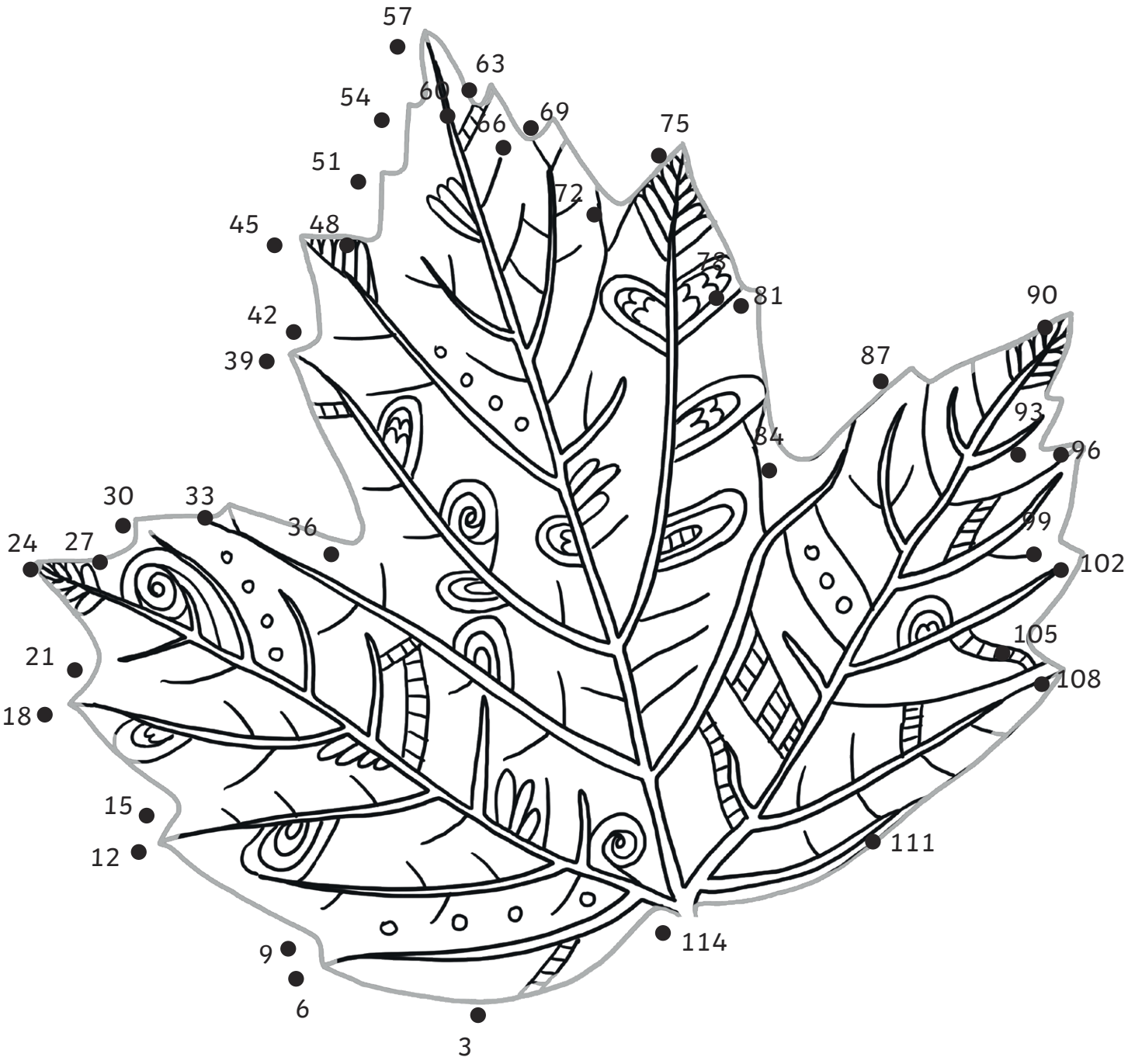
4. How many objects were found in total?

   4 + 7 + 8 + 12 + 15 = 42

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.



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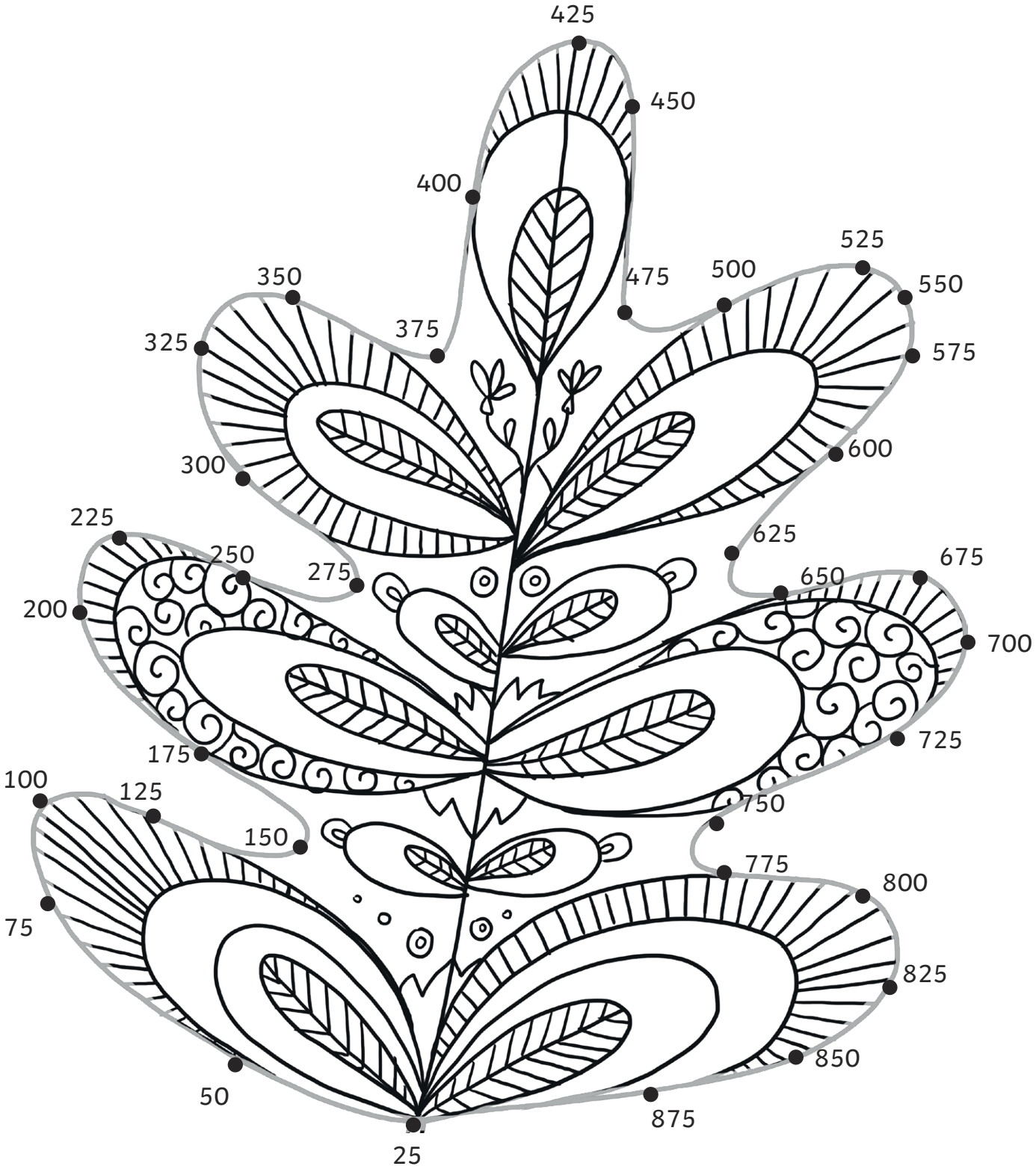


Autumn Measures

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

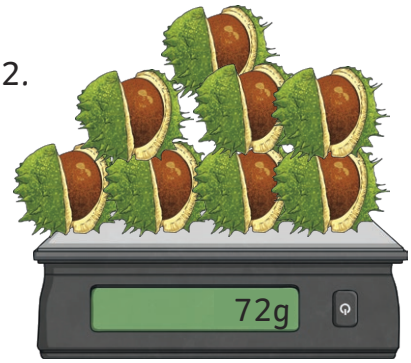
Show your working out in each box. The first one has been done for you.

1.

35 ÷ 5 = 7

7g

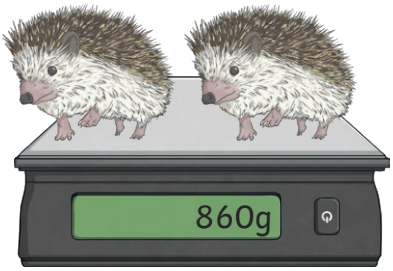
2.



72 ÷ 8 = 9

9g

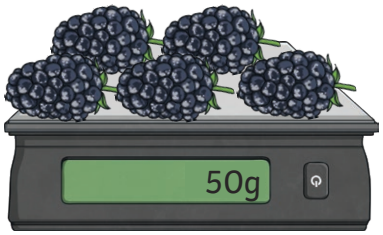
3.



860 ÷ 2 = 430

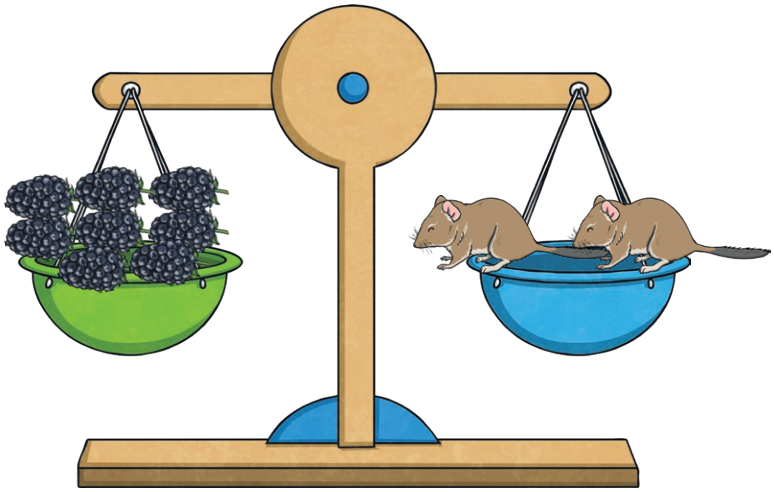
430g

4.



50 ÷ 5 = 10

10g



8 × 10 = 80

80 ÷ 2 = 40

40g

Autumn Measures

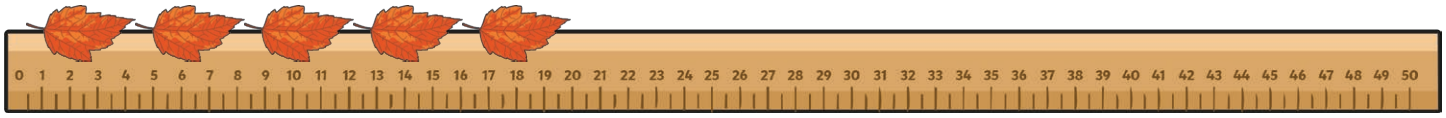
Calculate the length of one item.

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

1.

20 ÷ 5 = 4

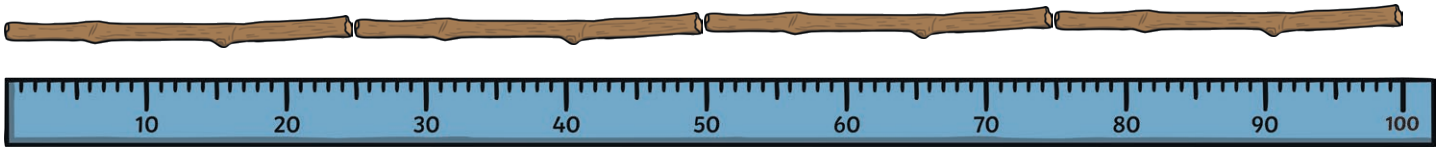
4



2.

100 ÷ 4 = 25

25cm

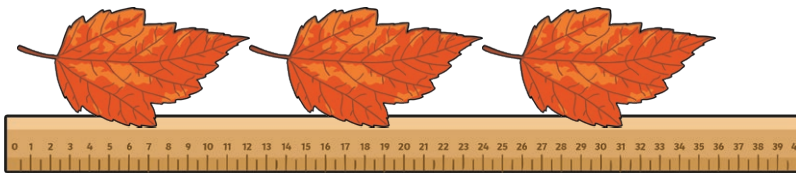


3.

30 ÷ 10 = 3

3cm

4.



36 ÷ 3 = 12

12cm

2 × 12 = 24

24 ÷ 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 ÷ 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 ÷ 2	**16**	**K**

	Answer	Letter
150 ÷ 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 ÷ 2	**23**	**D**

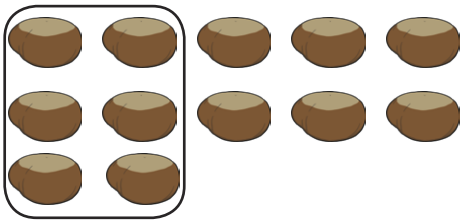
	Answer	Letter
88 ÷ 8	**11**	**P**
48 ÷ 8	**6**	**U**
30 - 16	**14**	**M**
20 - 9	**11**	**P**
4 × 4	**16**	**K**
9 + 2 + 7	**18**	**I**
50 - 37	**13**	**N**
64 ÷ 8	**8**	**S**

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

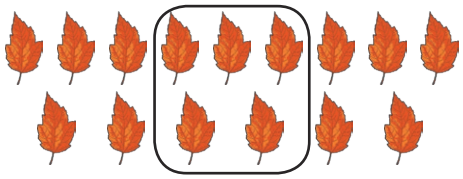
Harvest Fractions

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

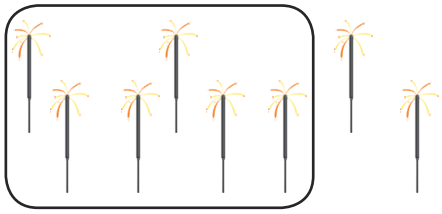
$\frac{1}{2}$ of 6 = 3



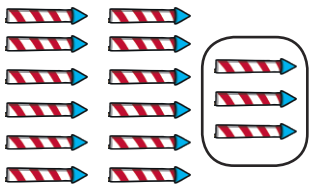
1/2 of 12 = 6



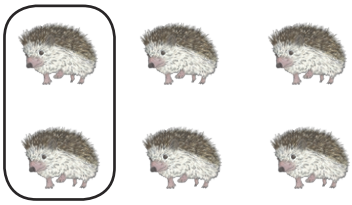
1/3 of 15 = 5



$\frac{3}{4}$ of 8 = 6



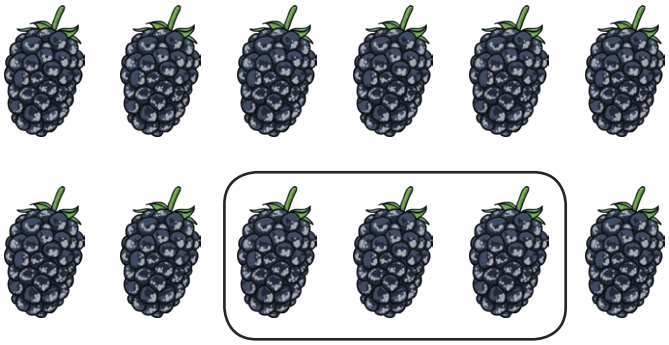
1/5 of 15 = 3



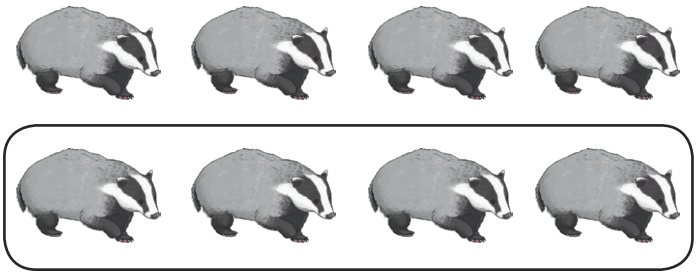
1/3 of 6 = 2

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

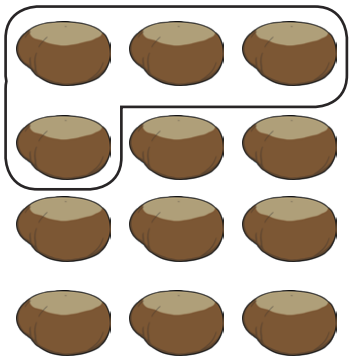
$\frac{1}{2}$ of 6 = 3



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



1/3 of 12 = 4



1/5 of 20 = 4

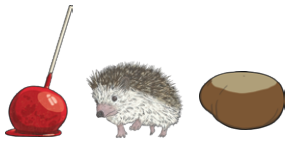
Autumn Place Value Code Breaker

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
								

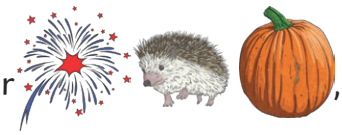
Example:
In the number   , what is  worth? 30

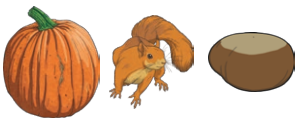
1. In the number  , what is  worth? **800**

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

START	 + 12	 - 15			
		 + 9	 - 11	 + 15	 - 7
FINISH					 + 20
 + 10	 - 4	 + 12	 - 15		 - 13
			+ 10 		 + 14
 - 13	 + 14	 - 11	 + 16		 - 10
+ 17 					 + 16
 - 4	 + 16	- 9 	 + 12	- 12 	+ 18