'Working At' Activity Booklet 1

Name: _____

Look at this superhero 100 square.

• Can you identify the missing numbers?

1	2	3	4	5	6	7		9	10
11	12	13		15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	
31		33	34	35	36	37	38	39	40
41	42	43	44	45	46		48	49	50
	52	53	54	55	56	57	58	59	60
61	62		64	65	66	67	68	69	70
71	72	73	74		76	77	78	79	80
81	82	83	84	85	86	87	88		90
91	92	93	94	95		97	98	99	100

Extra Challenge

Choose your own two-digit number. Challenge a friend to give the number that is one less and one more.
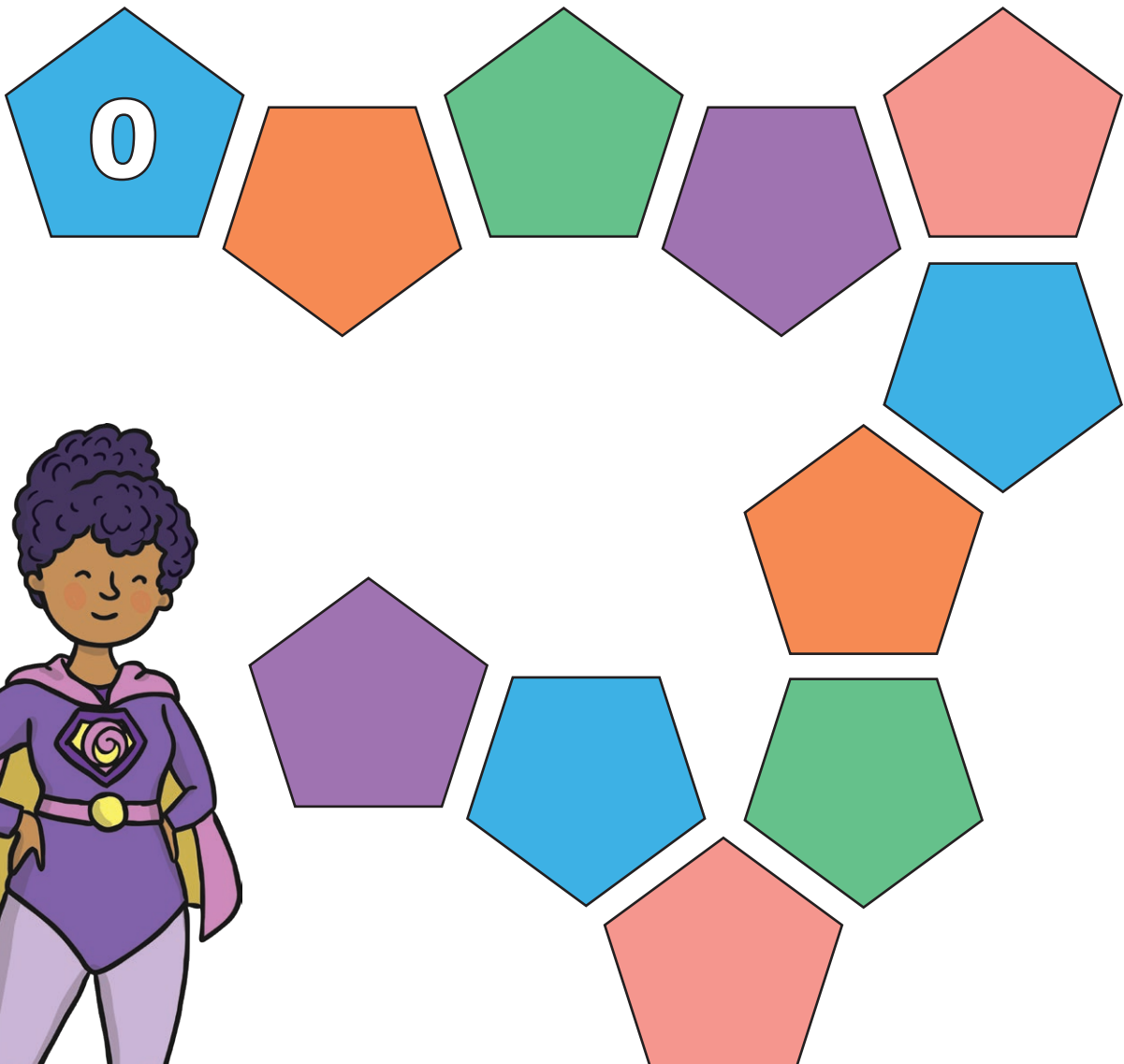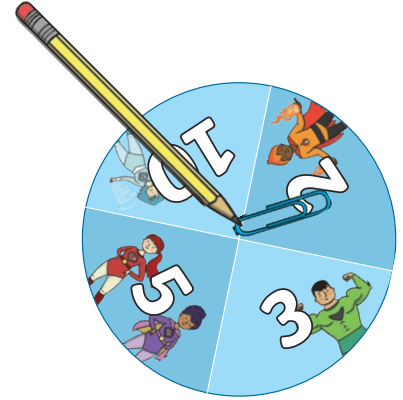
Play this fun, superhero counting game to practise counting in multiples of 2, 3, 5 and 10.

You will need the superhero spinner, a paperclip and a pencil.

Instructions:

- Use the spinner to choose a multiple. Count from zero using this multiple to reach the superhero. Use a 100 square to help you if needed.
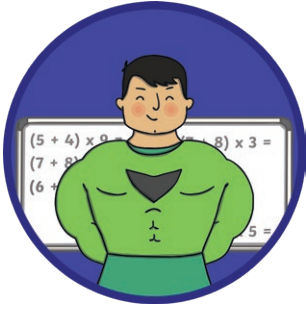
0

- Colour the path that **counts on in 2s red**.
- Colour the path that **counts back in 5s green**.
- Colour the path that **counts on in 3s blue**.
- Colour the path that **counts back in 10s pink**.

Start	Finish	Start				
2	12	50	45	40	25	20
4	22	32	42	35	30	15
6	8	10	52	62	20	10
20 *(Finish)*	14	12	10	72	15	5 *(Finish)*
18	16	20	62	82	92	102 *(Start)*
3 *(Start)*	27	24	18	21	24	82
6	9	12	15	12	27	30 *(Finish)*

Look at this <u>incorrectly</u> completed question.

- Has the correct important information been identified?

- Has the correct working out been used?

- Has the correct answer been given?

- What advice would you give to the child who completed this question?

Look at this number line.

Write the missing numbers in the empty boxes.

52   60   72   82   90

Colour in the superhero strength-o-meter to show how you feel about your maths:

super

good

okay
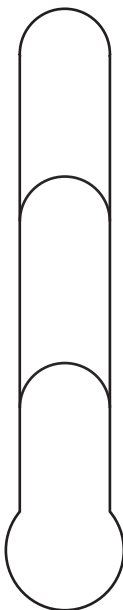
- Can you count in steps of 2, 3 and 5 from 0 forward and backward?

- Can you count in tens from any number forward and backward?

- Can you identify one more and one less than a given number?

Look at the superhero gadgets.

• Count how many of each gadget there are. Use the answers to solve the addition and subtraction puzzles.

Extra Challenge

Make up your own addition or subtraction puzzle using the superhero gadgets.

Play this fun, superhero number bonds game to practise recalling addition and subtraction facts to 20.

You will need coloured pencils.

Instructions

• Take it in turns to choose two numbers on the grid that add together to make 20. Colour these numbers in your colour.

• The first player to complete a row or column in their colour wins the game.
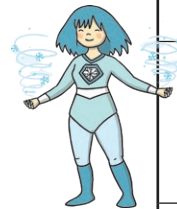
20	12	13	1	12	0	5
19	16	18	11	2	16	17
10	8	15	3	15	14	6
6	7	8	10	13	4	20
4	18	10	11	0	17	3
10	7	13	10	2	5	1
10	9	19	9	7	10	14

Use the numbers the superheroes are calling out to solve the puzzles.

10 17 5

8 13 7

4 3

4 16 8

2 6

9 15 20
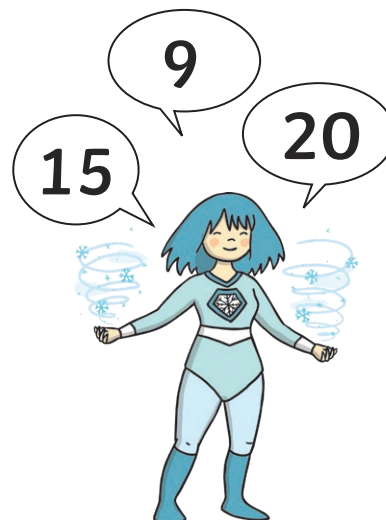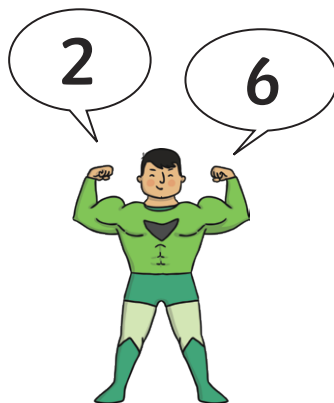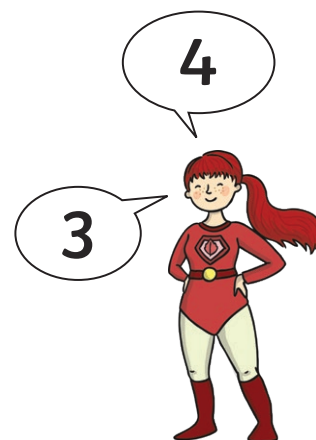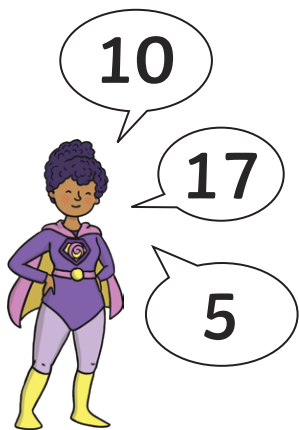
☐ + ☐ = **17**

☐ − ☐ = **8**

☐ + ☐ + ☐ = **20**

Look at this <u>incorrectly</u> completed question.

- Has the correct important information been identified?

- Has the correct working out been used?

- Has the correct answer been given?

- What advice would you give to the child who completed this question?

How many villains has the second superhero defeated?

I defeated 8 villains.

I have defeated 5 more villains than you.

$$8 + 5 = 14$$

Colour in the superhero strength-o-meter to show how you feel about your maths:

super

good

okay
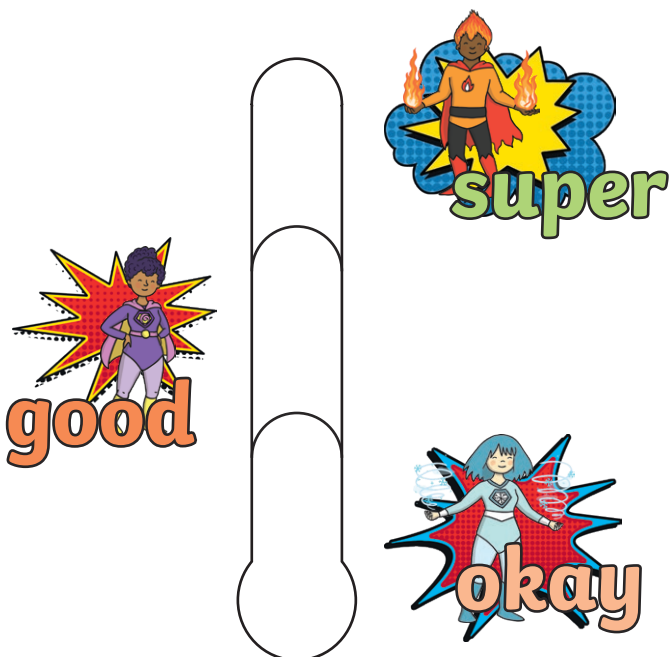
- Can you solve addition and subtraction number puzzles?

- Can you use number facts to help you solve puzzles?

- Can you use mental methods to solve number puzzles?

Look carefully at the superhero badges.

- What fraction of the badges are square?

- What fraction of the badges are circular?

- What fraction of the badges are triangular?

- What fraction of the badges are pentagons?
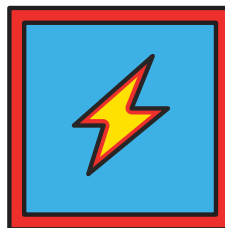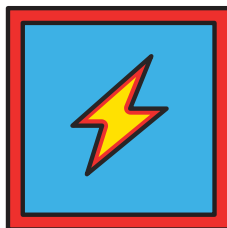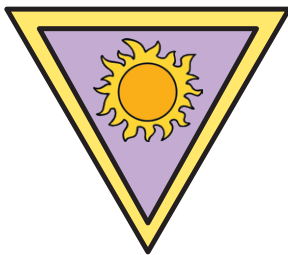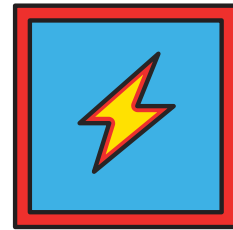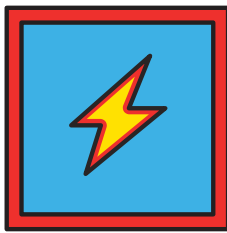
Extra Challenge

Can you draw your own set of superhero badges and talk about fractions of amounts?

Play this fun, superhero dominoes game to practise matching fractions to images. You will need the **superhero fraction dominoes**.

Instructions:

• The first player takes a domino and places it anywhere on the superhero racetrack.

• The second player finds a domino that matches to either end of the first domino and places it next to the first one on the track.

• Continue matching dominoes. Can you complete the superhero racetrack?
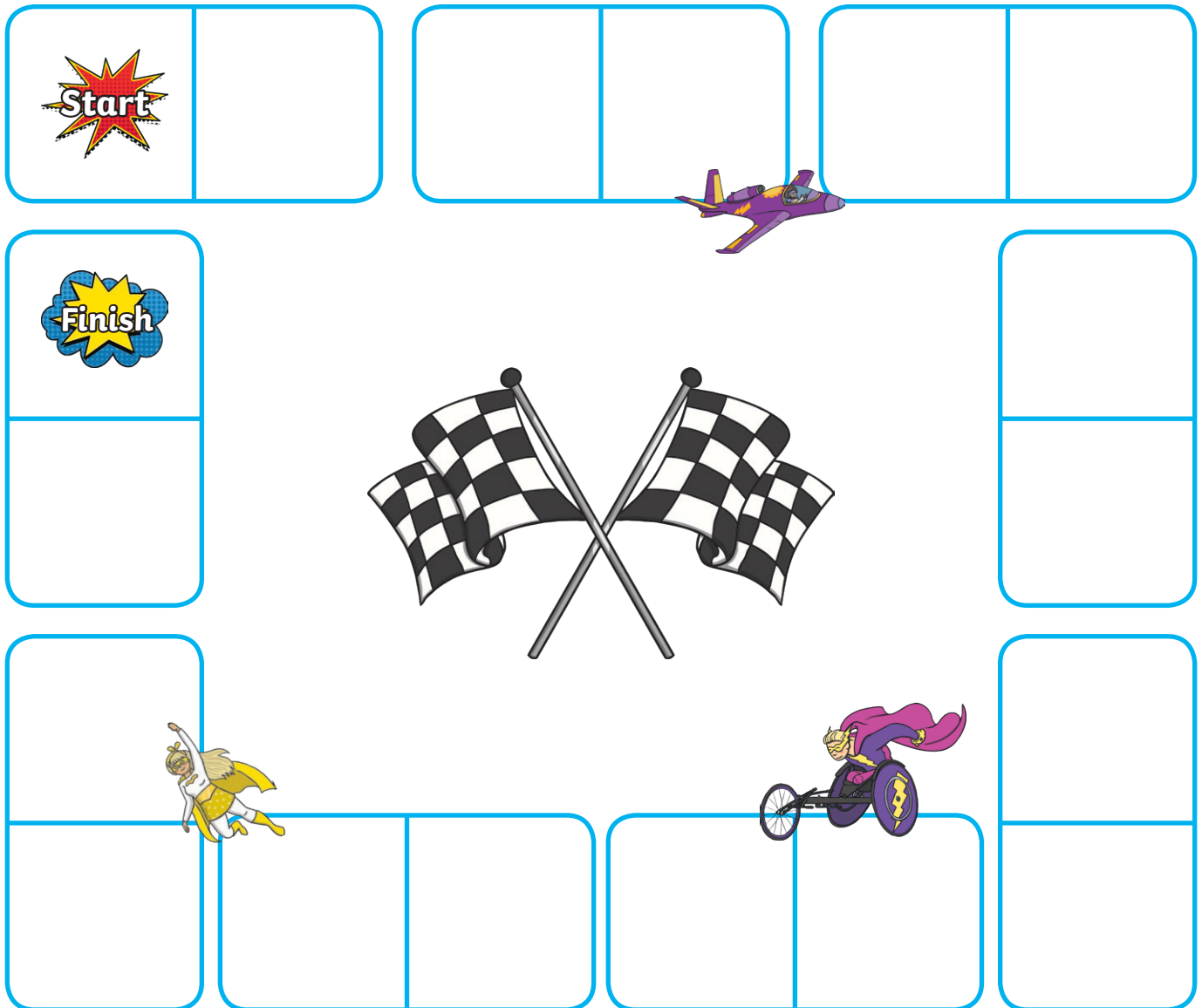
Have a go at answering these questions.

$\frac{1}{2}$ of 14 =
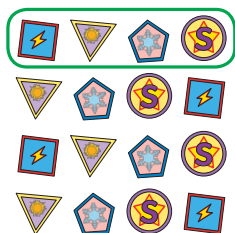
$\frac{1}{4}$ of 16 =
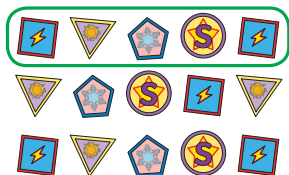
$\frac{1}{3}$ of 15 =
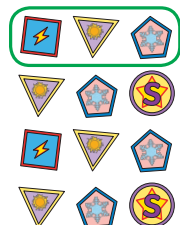
$\frac{1}{4}$ of 12 =
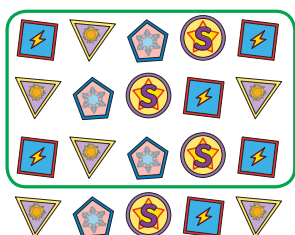
$\frac{3}{4}$ of 20 =

$\frac{2}{4}$ of 18 =
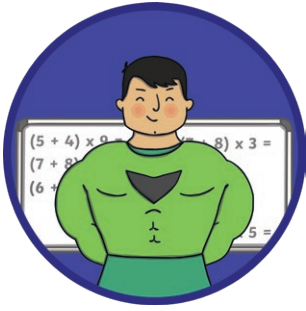
Look at this <u>incorrectly</u> completed question.

• Has the correct important information been identified?

• Has the correct working out been used?

• Has the correct answer been given?

• What advice would you give to the child who completed this question?

Tick the sets that have the correct number of objects circled:

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

Colour in the superhero strength-o-meter to show how you feel about your maths:
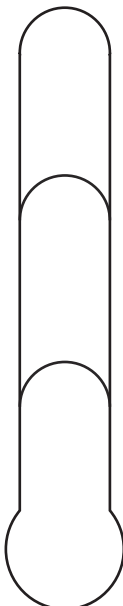
• Can you recognise, find, name and write halves, thirds and quarters of sets of objects?

• Can you recognise the equivalence of one half and two quarters?

• Can you solve problems involving fractions of objects?

Look carefully at the superhero shapes.

• Can you name the 2D shapes?

• Can you say how many sides they have?

• Can you say how many vertices (corners) they have?
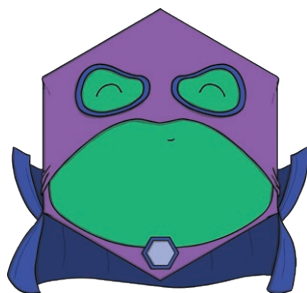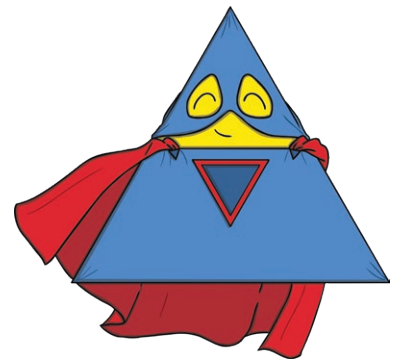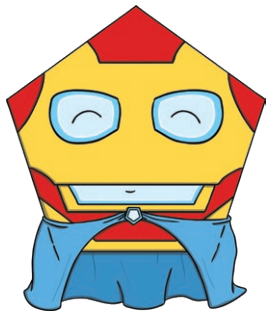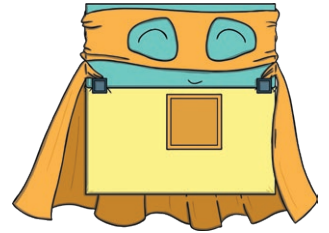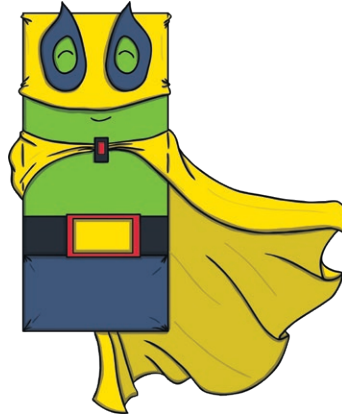
Extra Challenge

Can you sort the 2D shapes based on your own criteria?

Play this fun, superhero jigsaw game to practise identifying and describing 2D shapes.

You will need the Superhero 2D Shape Jigsaw Pieces.

Instructions:

• Take it in turns to place a jigsaw piece on the board. If you complete a board, you win a point.
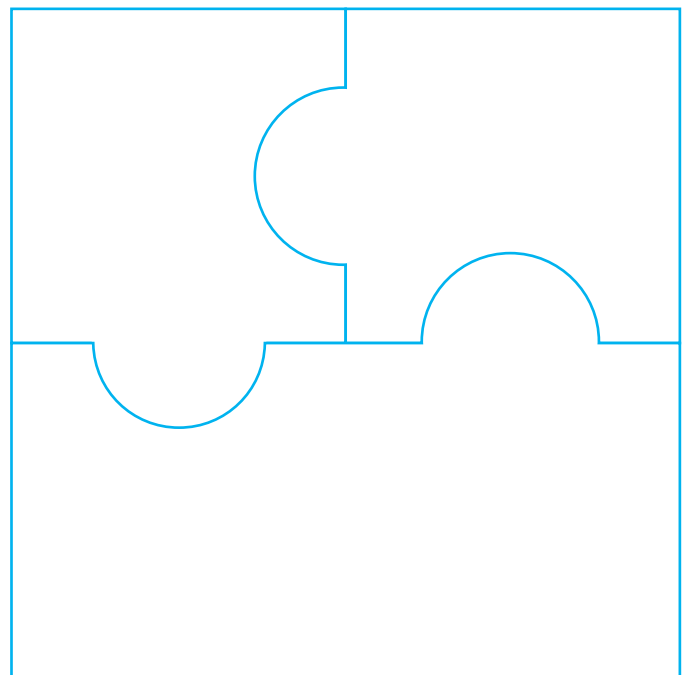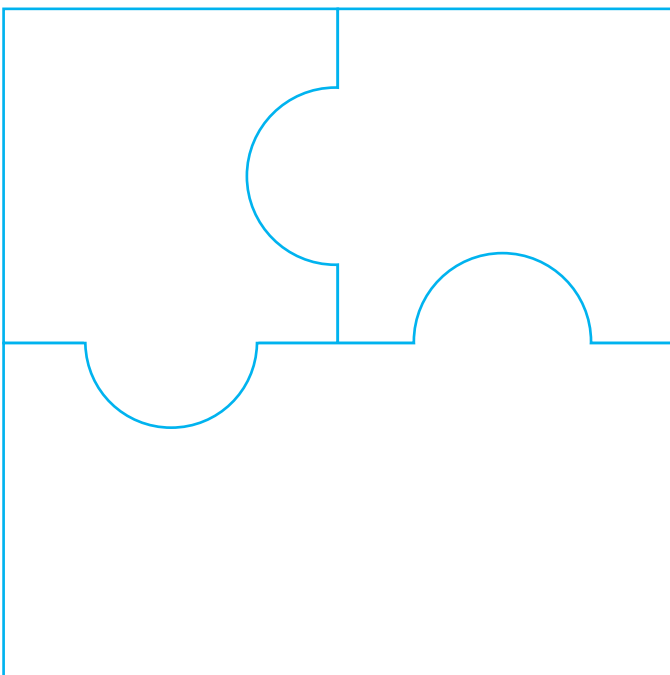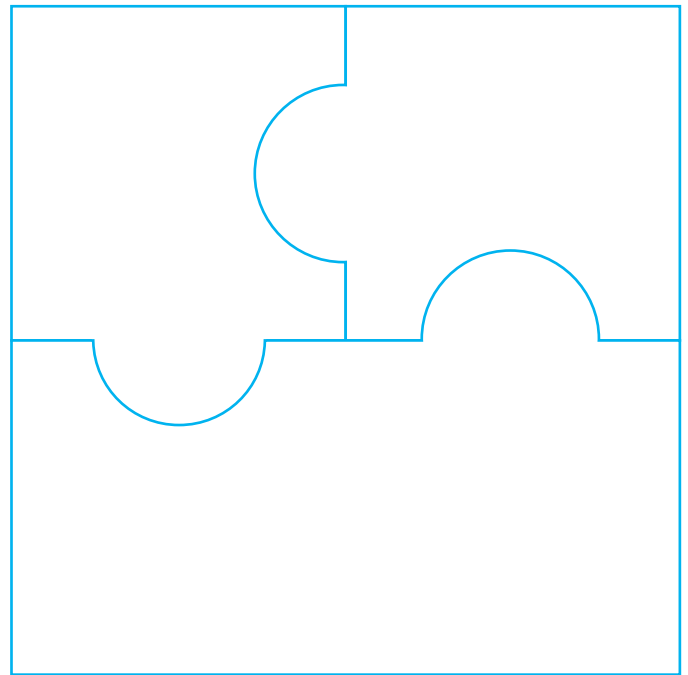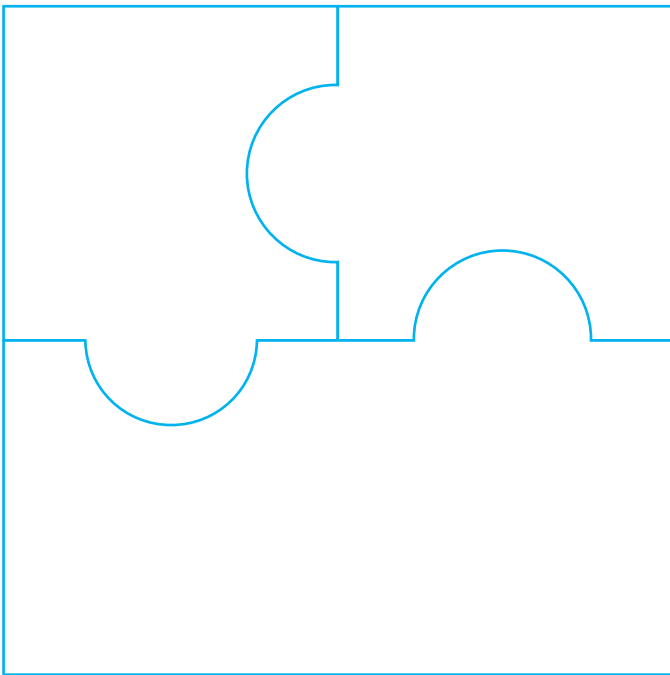
Design a symmetrical superhero mask using 2D shapes.

We recommend printing this page out separately, so you can cut out and wear your symmetrical superhero mask.
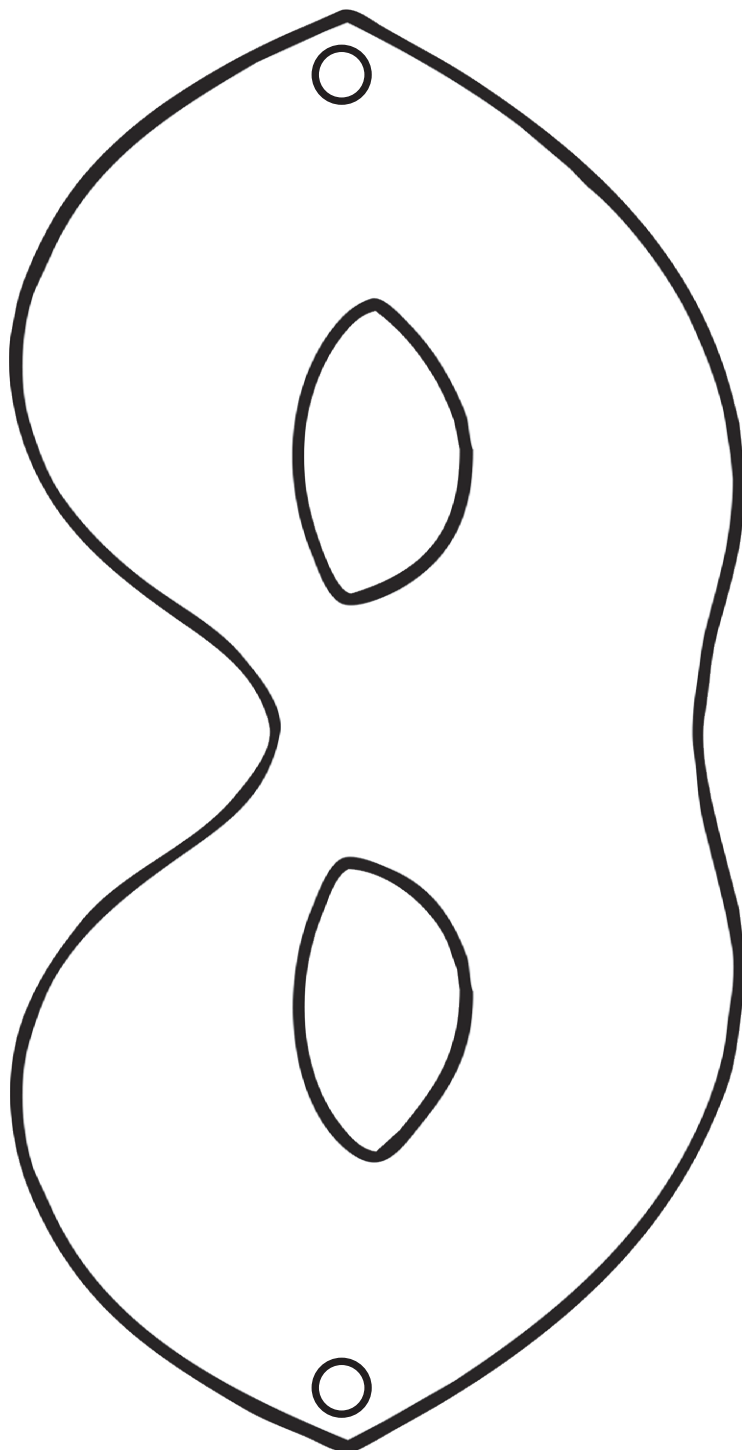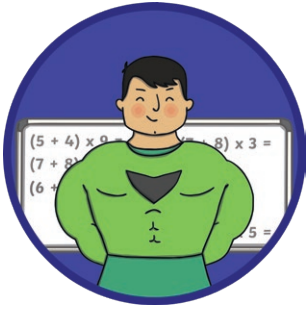
Look at this <u>incorrectly</u> completed question.

• Has the correct important information been identified?

• Has the correct working out been used?

• Has the correct answer been given?

• What advice would you give to the child who completed this question?

Tick the two sentences that are correct.

A triangle has three sides.	✓
A rectangle has curved sides.	
A square has more than one line of symmetry.	
A hexagon has five sides.	✓

Colour in the superhero strength-o-meter to show how you feel about your maths:
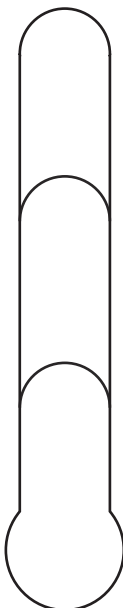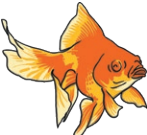
• Can you identify and describe the properties of 2D shapes?

• Can you identify the number of sides and line symmetry in 2D shapes?

• Can you compare and sort 2D shapes?

super

good

okay

Look carefully at this pictogram which shows how many animals the superheroes have rescued.

- Which animal did they rescue the most of?

- How many more hamsters did they rescue than dogs?

- How many fewer cats did they rescue than rabbits?

			🐹	
			🐹	
			🐹	🐰
	🐕		🐹	🐰
🐈	🐕		🐹	🐰
🐈	🐕	🐠	🐹	🐰
Cat	**Dog**	**Goldfish**	**Hamster**	**Rabbit**

Extra Challenge

Can you make up your own questions about the data shown in this pictogram?

Play this fun, superhero board game to practise representing data as a pictogram and answering questions about it. You will need a dice and counters.

Instructions:

- Take it in turns to roll the dice and move your counter from cloud to cloud. At the end of your turn, the superheroes eat the fruit you have landed on to keep their flying strength up!

- At the end of each turn, draw a symbol on the pictogram to show which fruit the superheroes eat.

- Finish the game after five turns each and answer the questions about the data you have collected.

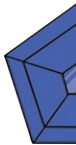|				
banana	apple	strawberry	cherries	grapes

1. Which fruit did the superheroes eat the most of?

2. What is the difference between the number of apples and grapes the superheroes ate?

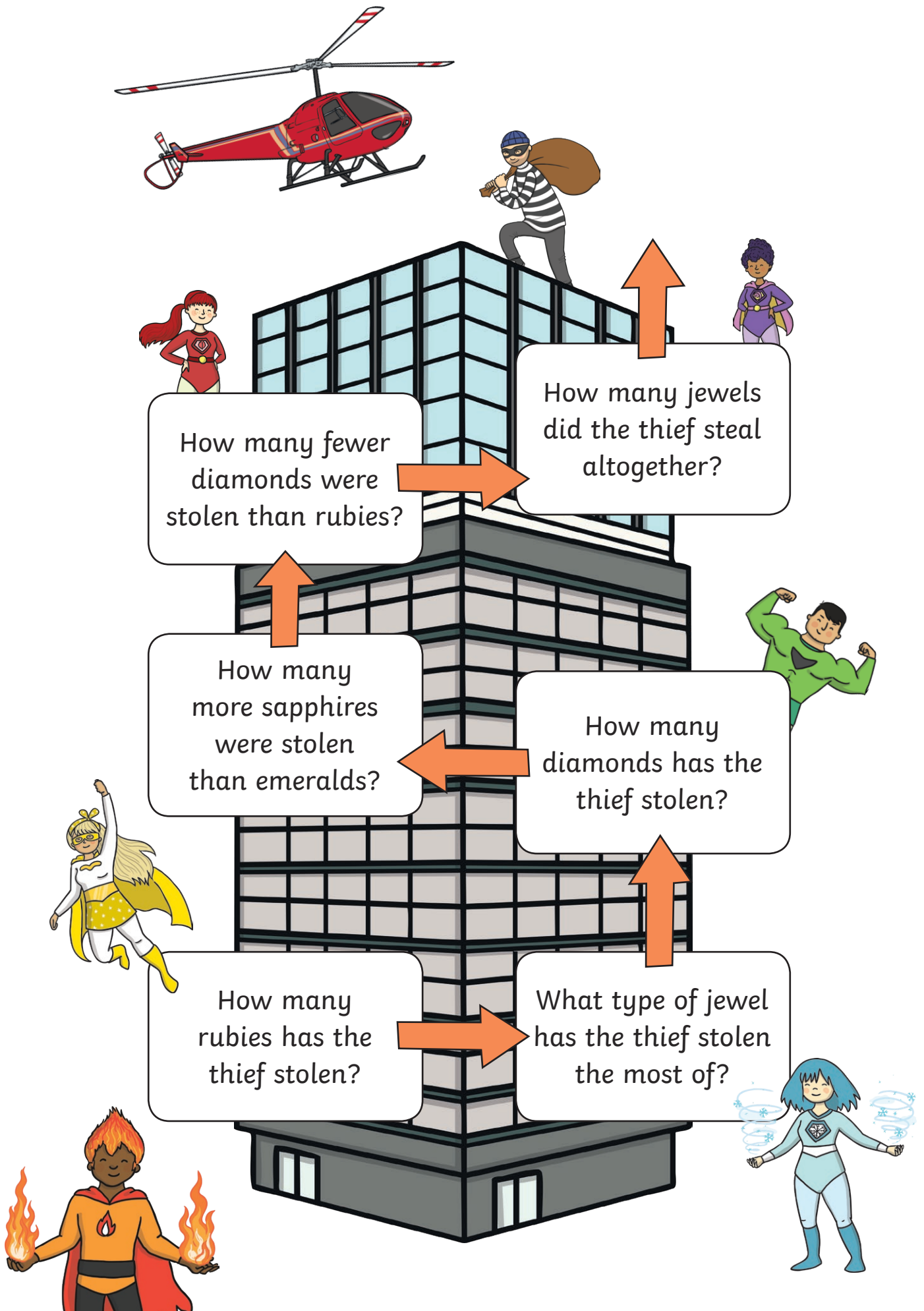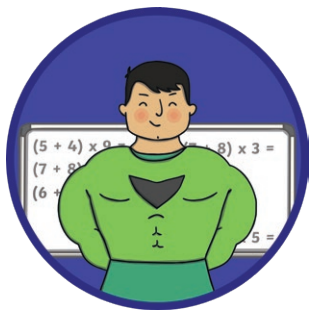3. How many bananas and cherries did the superheroes eat altogether?

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Help the superheroes to climb the skyscraper to capture the jewel thief by answering the questions about the pictogram.

A pictogram to show how many jewels the thief has stolen.

In this pictogram, = 2 jewels

Rubies	⬠	⬠	⬠	⬠	
Diamonds	⬠	◣			
Sapphires	⬠	⬠	⬠	◣	
Emeralds	⬠	⬠			
Amethysts	⬠	⬠	⬠	⬠	◣

How many fewer diamonds were stolen than rubies?

How many jewels did the thief steal altogether?

How many more sapphires were stolen than emeralds?

How many diamonds has the thief stolen?

How many rubies has the thief stolen?

What type of jewel has the thief stolen the most of?

Look at this <u>incorrectly</u> completed question.

• Has the correct important information been identified?

• Has the correct working out been used?

• Has the correct answer been given?

• What advice would you give to the child who completed this question?

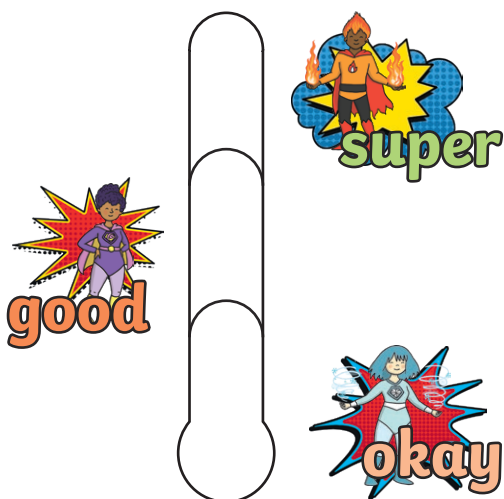A pictogram to show how many superhero badges were given out each day.

In this pictogram, ⭐ = 2 badges

Monday	⭐	⭐	⭐	⭐
Tuesday	⭐	⭐	⭐	
Wednesday	⭐	⭐	⭐	
Thursday	⭐	⭐		
Friday	⭐	⭐		

How many superhero badges were given out on Monday?

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

Colour in the superhero strength-o-meter to show how you feel about your maths:

super

good

okay

• Can you interpret simple pictograms?

• Can you ask and answer questions about data?

• Can you use many-to-one correspondence in pictograms?