

Intrepid Explorers

Hello Year 1 and 2! We hope you are all ok and are enjoying our new topic. We welcomed some of the Year 1s back into school last week, it was lovely to see them but we are missing you all. It has been a bit wet and rainy recently, but we hope you have still been able to go out and get lots of fresh air and exercise, whatever the weather! Perhaps you could tell us about any adventures or explorations you've done of your own on our school Twitter page.

Take care and look after each other.

Ms Hall Miss Jones Mrs Pritchard Mrs Stallwood Mrs Bozward Mrs Catherwood Miss Davis

EVERY DAY Daily Maths lessons - <https://whiterosemaths.com/homelearning/>

Year 1 – arrays, doubles, sharing and grouping

Lesson 1 video link – <https://vimeo.com/428004469> Lesson 2 video link – <https://vimeo.com/428004541>

Lesson 3 video link – <https://vimeo.com/428004616> Lesson 4 video link – <https://vimeo.com/428004753>

Year 2 – 2D and 3D shapes

Lesson 1 video link – <https://vimeo.com/428007654> Lesson 2 video link – <https://vimeo.com/428007789>

Lesson 3 video link – <https://vimeo.com/428007909> Lesson 4 video link – <https://vimeo.com/428007983>

Mathletics – 15-20 minutes (more if you wish).

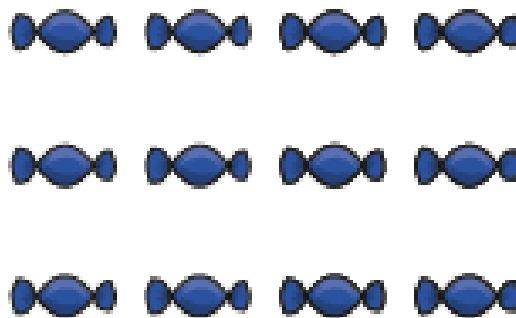
Read for at least 15 minutes. There are lots of free online books - <https://home.oxfordowl.co.uk/books/free-ebooks/>

Additional tasks for this week (15/6/20)

<u>English</u>	<u>Topic</u>
<p>Monday: Have a look at the picture clues on the sheet attached (don't peek any further yet!) Who do you think these items belong to? Where might they have come from? Talk to someone at home about them and make a prediction. Write your prediction at the bottom of the sheet. <i>I think that these items belong to ___ because ___</i> <i>It could be a ___ because ___</i> <i>It couldn't be ___ because ___</i></p> <p>Tuesday: The items belonged to a Penguin! Have a look at the Penguin's picture. Why do you think he is standing on a doorstep? Are there any other things that you would like to find out about? Have a look at the question words. Try and write a question for the Penguin using each one. Remember to use a question mark!</p> <p>Wednesday: Read or listen to the story of 'Lost and Found' by Oliver Jeffers. https://www.youtube.com/watch?v=cRAAQ8EWzig Try acting out the story using the stick puppets.</p> <p>Thursday: Choose one of the main characters – the boy or the Penguin. Draw a picture and write a sentence to explain how you think they are feeling at the beginning, middle and end of the story. Try using different sentence openers and conjunctions.</p> <p>Friday: Write a book review for Lost and Found. What did you think of the story?</p>	<p>Science: What is a habitat? https://www.youtube.com/watch?v=ZrSWYE37MJs Have a go at matching the animals to their habitats. Why do you think the animals live there?</p> <p>PE: Play a game using a ball. It could be a football, a tennis ball, a basketball, a beach ball ... How do you use the ball? Can you bounce it? Can you throw it? Practise your skills!</p> <p>Art: Have a look at the portraits of the explorers on the sheet attached. What do you think of the portraits? How are they similar/different? What does it tell you about the explorers? Create your own portrait. It could be a self-portrait or a portrait of someone in your family. You could draw or paint it, or take a photograph.</p> <p>Music: What instruments would you find in the percussion section of an orchestra? https://www.youtube.com/watch?v=xGKpngesISl Can you think of any others? Have a go at making your own percussion instrument with the objects that you have at home.</p>

Make arrays

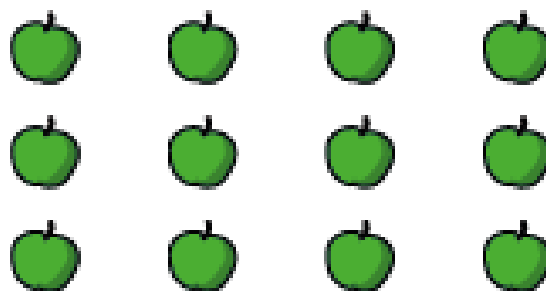
- 1 Circle each row of sweets.



How many rows are there?

There are rows.

- 2 Circle each column of apples.

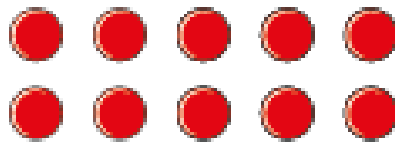


How many columns are there?

There are columns.



3 Make this array.



Complete the sentences.

a) There are counters in each row.

There are rows.

There are counters altogether.

b) There are counters in each column.

There are columns.

There are counters altogether.

Make your own array.

How many rows are there?

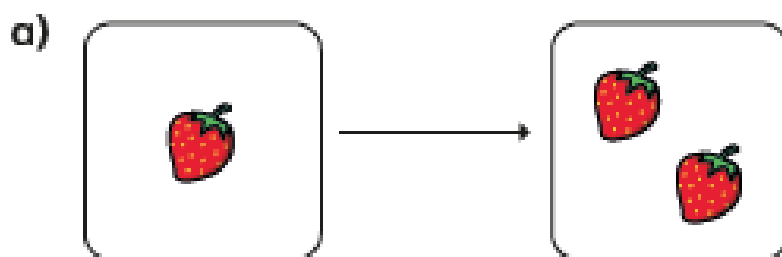
How many columns are there?



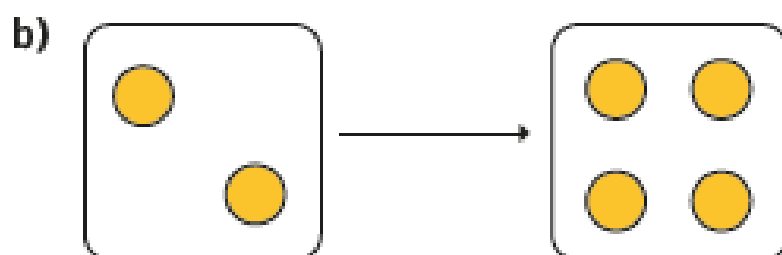
Make doubles

I Complete the sentences.

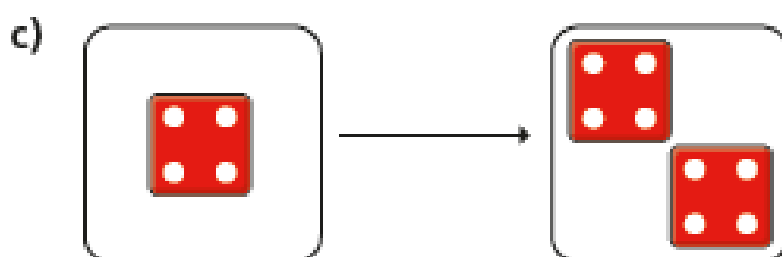
Use the pictures to help you.



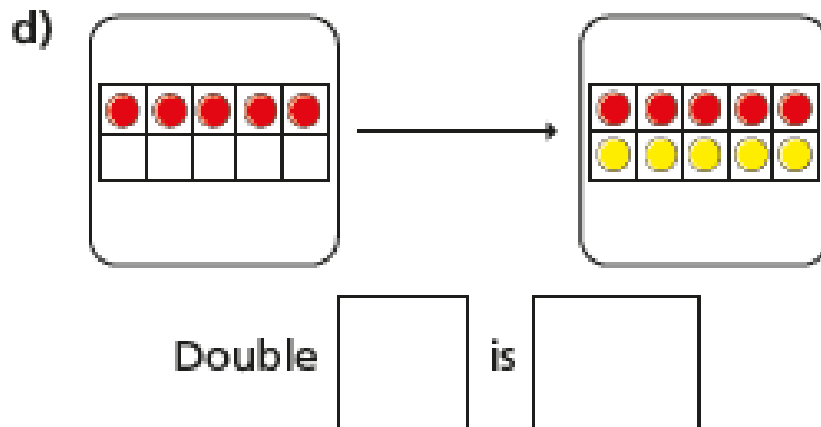
Double 1 is



Double 2 is



Double is



2 Match the doubles to the additions.

Double 3

Double 6

Double 10

Double 7

$6 + 6$

$7 + 7$

$3 + 3$

$10 + 10$

3 Fill in the gaps.

a) Double 15 is

b) Double 11 is



c) Double 12 is

d) Double 20 is

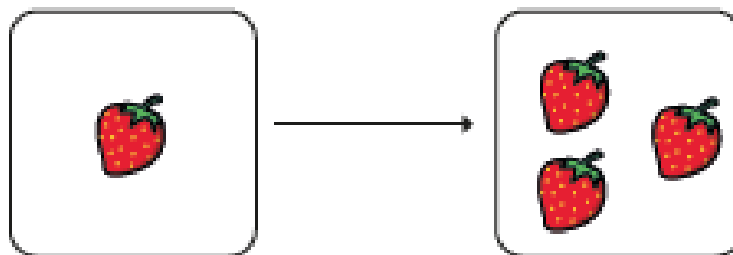
e) Double is 8

f) Double is 16

4



I have doubled the number of strawberries.

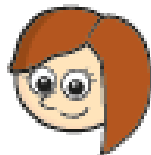


Do you agree with Mo? _____

Talk about it with a partner.

Make equal groups – sharing

1 Rosie and Amir are sharing some sweets.



- a) Draw lines to share the sweets equally.
- b) How many sweets does each child get?

Each child gets sweets.

8 sweets shared equally between 2 is



2 Five children share some grapes.



a) Draw lines to share the grapes equally.

b) How many grapes does each child get?

Each child gets grapes.

10 grapes shared equally between 5 is

3 Ron needs to share 20 bananas between 5 boxes.



How many bananas will there be in each box?

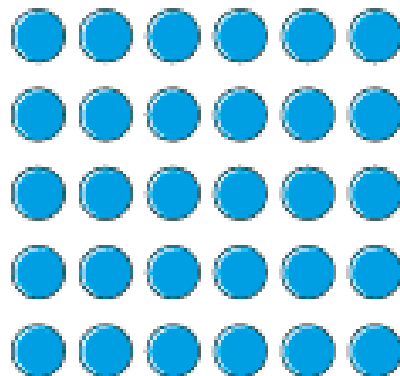
20 bananas shared between 5 boxes is

There will be bananas in each box.





4 Use 30 counters.



a) Share the counters between 2 friends.

How many counters does each friend get?

b) Share the counters between 5 friends.

How many counters does each friend get?

c) Share the counters between 10 friends.

How many counters does each friend get?

Make equal groups – grouping

1 Here are some socks.



a) Draw lines to match the pairs of socks.



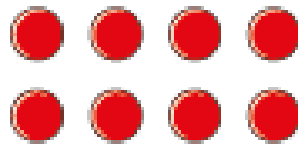
b) Complete the sentences.

There are socks altogether.

There are socks in each pair.

There are pairs of socks.

2 Here are some counters.



a) Circle groups of 2

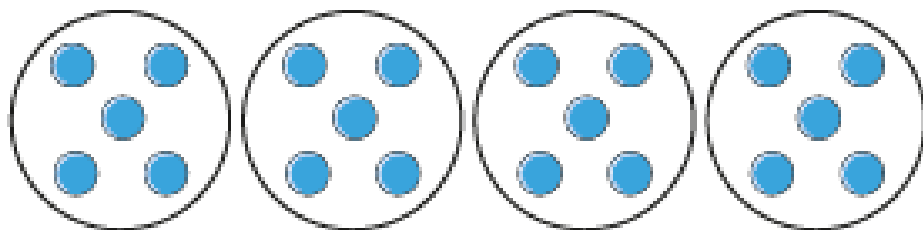
b) Complete the sentences.

There are counters altogether.

There are equal groups of 2 counters.

3 Complete the sentences.

a)

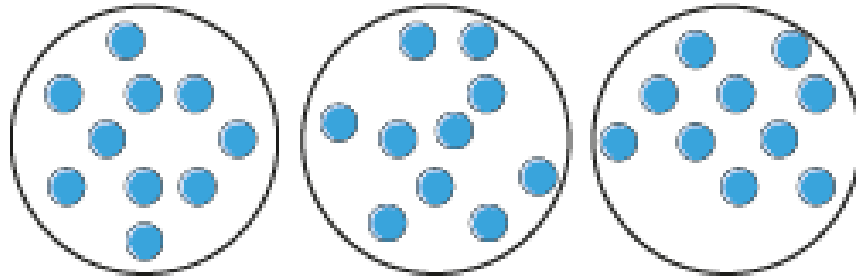


There are counters altogether.

There are equal groups of counters.



b)



There are counters altogether.

There are equal groups of counters.

4 Use 30 counters.

a) How many equal groups of 2 can you make?

b) How many equal groups of 5 can you make?

c) How many equal groups of 10 can you make?

Talk about your answers.



Count sides on 2D shapes



1 Complete the sentences to describe the shapes.

a)



A pentagon has sides.

b)



A triangle has sides.

c)



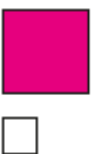
A has sides.

d)



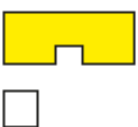
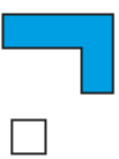
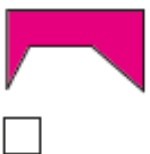
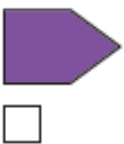
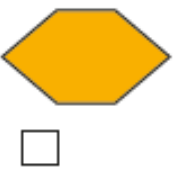
A has sides.

2 Tick the 4-sided shapes.



Did your partner tick the same shapes?



3 Tick the 6-sided shapes.



Compare answers with a partner.



4 Complete the table.

Name	Shape	Number of sides
		
		3
pentagon		
		6
square		
		8
		



5



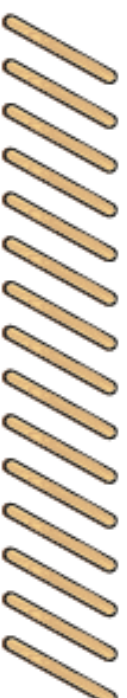
This shape is a triangle.



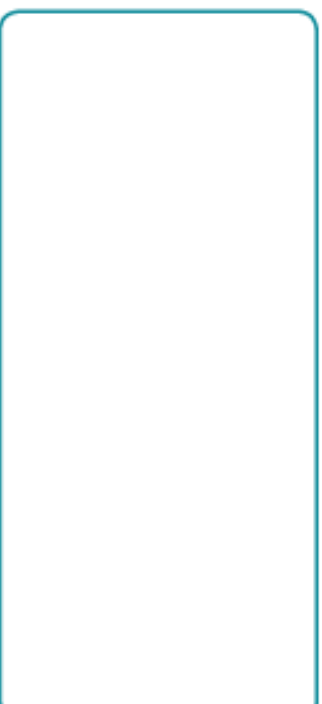
Is Amir correct? _____

How do you know?

6 Use 15 lolly sticks to make three shapes.



Draw your shapes.



Did your partner make the same shapes?

What happens if you use more or fewer lolly sticks?



Count vertices on 2D shapes

1 Complete the sentences to describe the shapes.

a)



A pentagon has vertices.

b)



A triangle has vertices.

c)



A has vertices.

d)



A has vertices.

2 Tick the shapes with 4 vertices.



Compare answers with a partner.

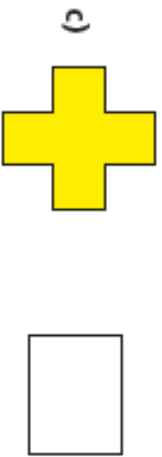
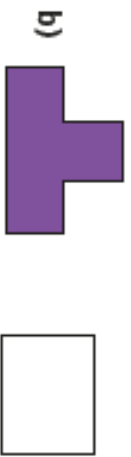
3 Tick the shapes with 6 vertices.



Talk to a partner about your answers.



4 How many vertices does each shape have?



How did you count the vertices?

5



My shape has more vertices than a triangle, but fewer than a hexagon.

What shape could Ron have? _____

Compare answers with a partner.

6 Rosie is making a pattern out of shapes.

a) How many vertices are in each term of her pattern?



b) What do you notice?

c) How many vertices will the next term have?

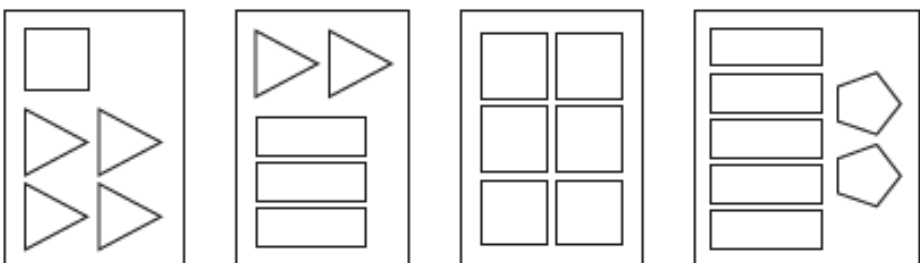
d) Create your own pattern with shapes.

Count the number of vertices in each term.







Count faces on 3D shapes

1 Match the shapes to the faces.



2 Complete the table.

Shape	Name	Number of faces
		
		
		
		

3



My shape has one curved surface.

What shape is Jack describing? _____

- 4 Match the description to the shape.

1 circular face and
1 curved surface



2 circular faces and
1 curved surface



4 triangular faces



5



A cube is the
only 3D shape with
6 faces.

Alex has made a mistake.

Name another 3D shape that has 6 faces.

- 6 Dexter has 5 of the same 3D shapes.



In total, my
shapes have 10
circular faces.

What shapes has Dexter got?

Dexter has got 5 _____

- 7 Dora wants to put a sticker on each face of
some cubes.

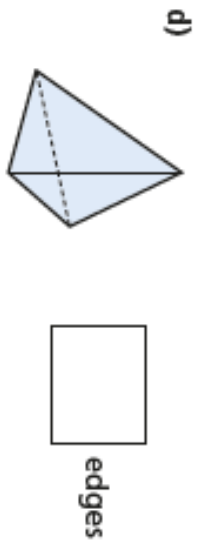
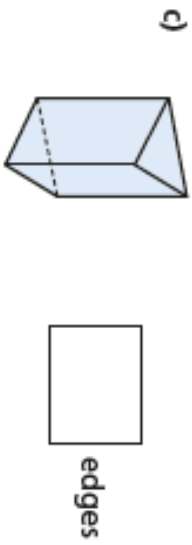
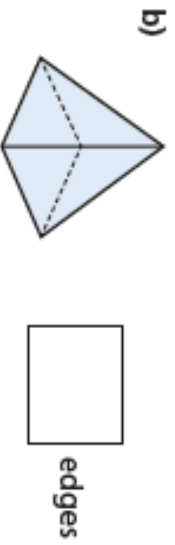
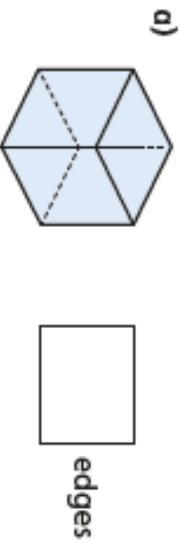
She has 60 stickers.

How many cubes can she cover in stickers?




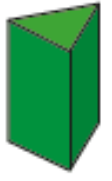
Dora can cover cubes in stickers.

Count edges on 3D shapes

1 How many edges does each shape have?



2 Complete the table.

Shape	Name	Number of edges	Number of faces
			
			
			
			

3

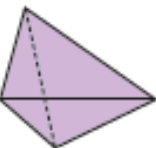
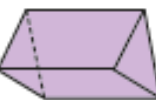
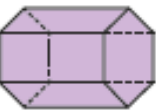
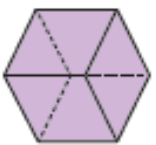


3D shapes always have more edges than faces.

Do you agree? _____
Why?



- 4 Use the clues to label the shape with the correct letter.



- Shape A has an odd number of edges.
- Shape B has the most edges.
- Shape C has the same number of edges as a cube has faces.
- The edges of shape D are all the same length.

- 5 Write the name of two 3D shapes that have the same number of edges.

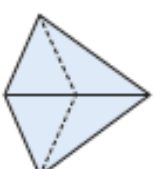
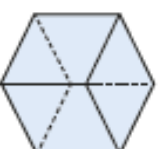
_____ and _____



6



A cube has 6 faces and 12 edges, so a square-based pyramid must have 5 faces and 10 edges. The number of edges is always double the number of faces.



Do you agree with Teddy? _____
Why?

- 7 This hexagonal prism has 18 edges.



How many edges do you think a pentagonal prism has?

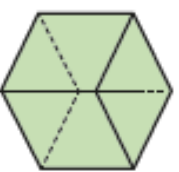
Why do you think this?



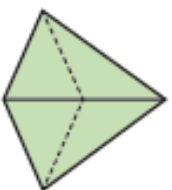
Count vertices on 3D shapes



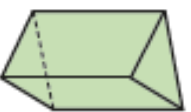
1 How many vertices does each shape have?



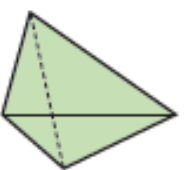
vertices



vertices







vertices



vertices

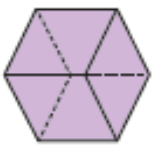
2 Complete the table.

Shape	Name	Number of vertices
		
		
		
		

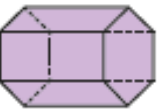
Write the name of a different 3D shape with no vertices.

- 3 Write the shapes in order of the number of vertices.

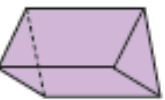
Start with the shape that has the fewest vertices.



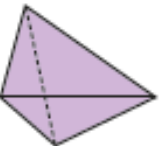
A



B



C



D

fewest

most

- 4 Complete the sentences.

more

fewer

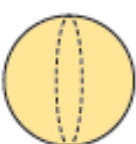
- a) A cube has _____ vertices than a sphere.
- b) A sphere has _____ vertices than a cone.
- c) A triangular prism has _____ vertices than a cuboid.

- 5 Match each shape to the correct label.

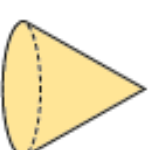
< 5 vertices



= 5 vertices



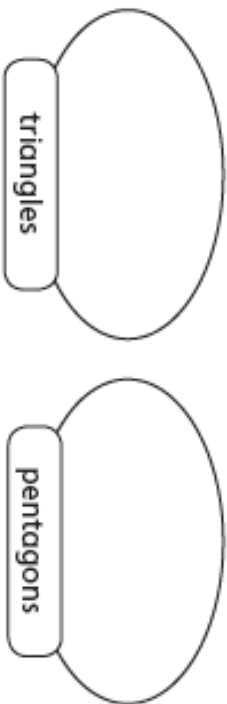
> 5 vertices



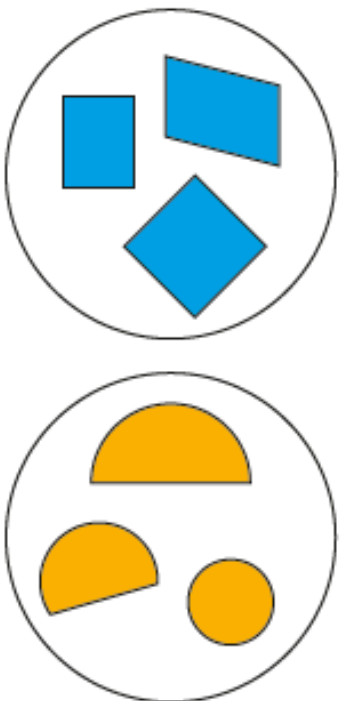
Sort 2D shapes



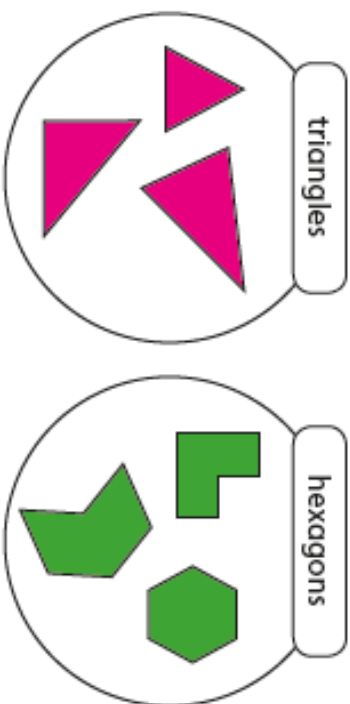
1 Draw lines to sort the shapes into groups.



2 How have the shapes been sorted?



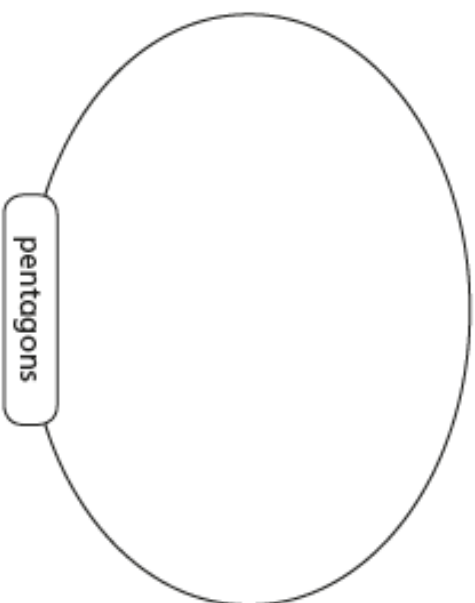
3 Eva sorts some shapes.



a) Is Eva correct? _____

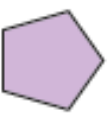
How do you know?

b) Draw a group of three different pentagons.

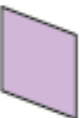


- 4 a) Sort the shapes in order of the number of sides.

Start with the shape that has the fewest sides.



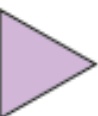
A



B



C



D



E

fewest

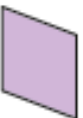
most

- b) Sort the shapes in order of the number of vertices.

Start with the shape that has the fewest vertices.



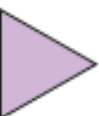
A



B



C



D



E

fewest

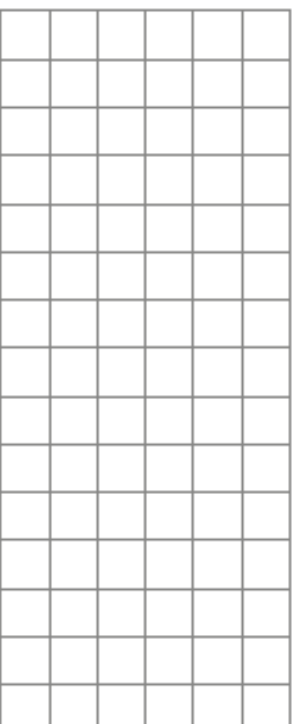
most

- c) What do you notice about your answers to part a) and part b)?

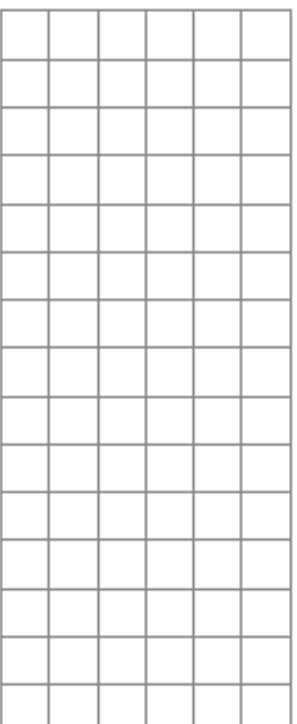


- 5 Draw three different shapes in each group.

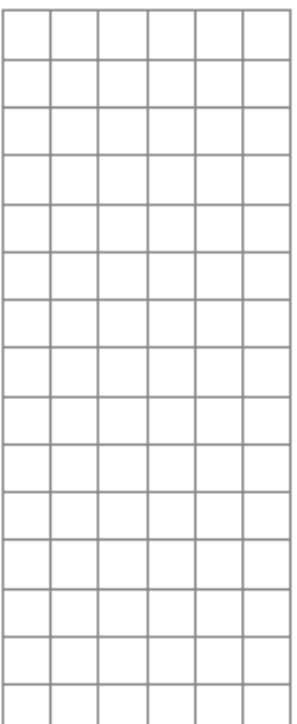
shapes with 4 sides



shapes with an odd number of vertices



shapes with an even number of sides



Sort 3D shapes

- 1 Circle the odd one out in each group and complete the sentences.

a)



The odd one out is a _____.

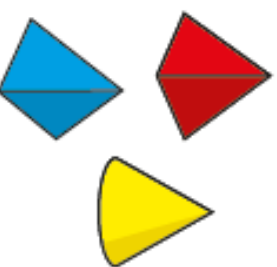
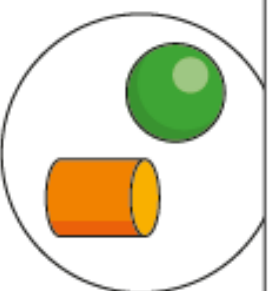
b)



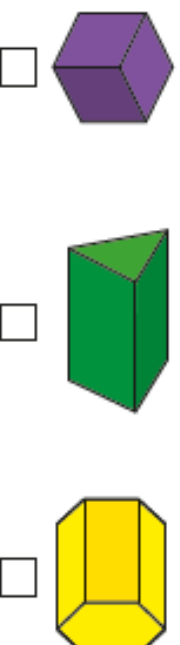
The odd one out is a _____.

- 2 Tick the shape that could go in the group.

has a curved surface

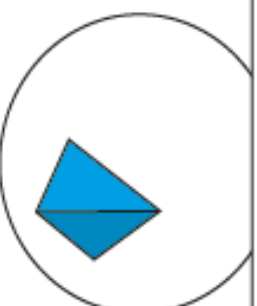
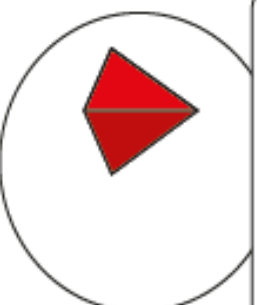


- 3 Tick the shape that could go in both groups.

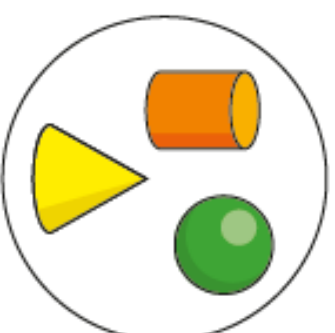


odd number of faces

even number of vertices



- 4 How have the shapes been grouped?



- 5 Write the name of a 3D shape that could go in each group.

has 5 vertices

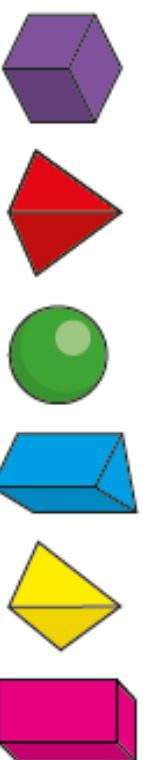
has 12 edges

has 1 curved surface

Can you think of any other shapes to go in each group?



- 6 a) Draw lines to sort the shapes into two groups.



Group A

Group B

- b) Give each of your groups a label.

Group A: _____

Group B: _____

Compare answers with a partner.



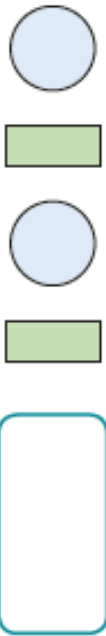
Make patterns with 2D shapes



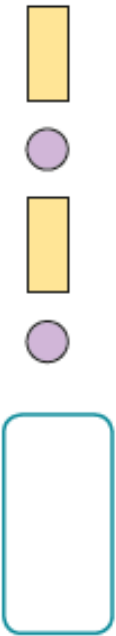
1 Draw the next two shapes in each pattern.



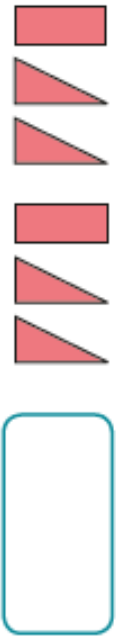
a)



b)

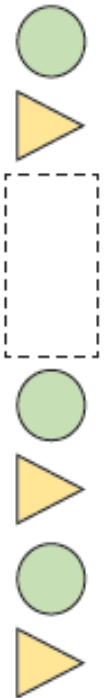


c)



2 Tick the shapes that fit in each pattern.

a)

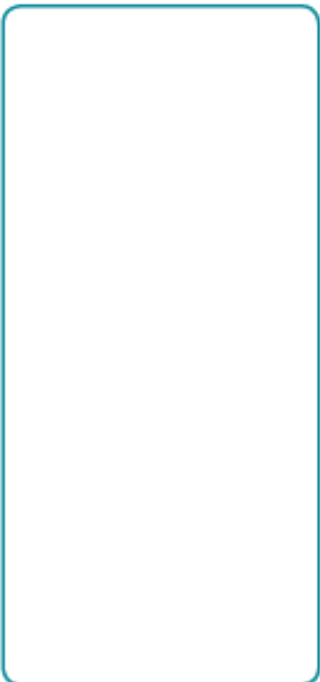


3



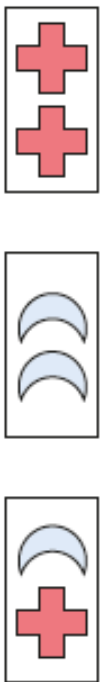
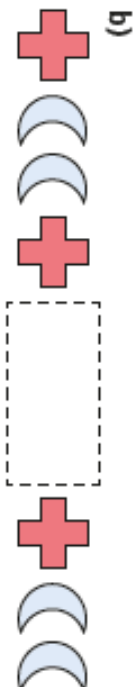
My pattern goes:
circle, triangle, square,
then it repeats.

a) Draw the first 9 shapes in Rosie's pattern.



b) What is the name of the 10th shape in the pattern?

c) What is the name of the shape to the right of the 5th shape?



- 4 Mo makes a pattern using 4 rectangles, 4 triangles and 4 circles.

What could Mo's pattern be?

Draw two different possibilities.



- 5 Draw the 10th shape for each pattern.

a)



b)



- 6 Write your own repeating pattern of shapes.

For example: circle, rectangle, rectangle, circle, rectangle, rectangle ...

Swap with a partner and draw each other's patterns.

- 7 Draw a shape in each box to make a repeating pattern.

You may want to practise on a whiteboard.



Make patterns with 3D shapes

1 Draw the next shape in each pattern.



2 What is the name of the 3rd shape in the pattern?



3 Here is a pattern made with 3D shapes.



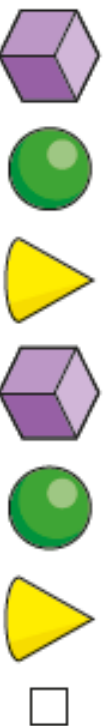
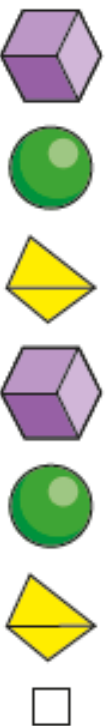
a) Write the name of the 4th shape in the pattern.

b) What would the 13th shape in the pattern be?

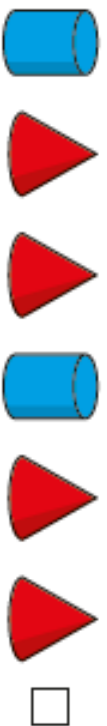


4 Tick the row that shows the pattern.

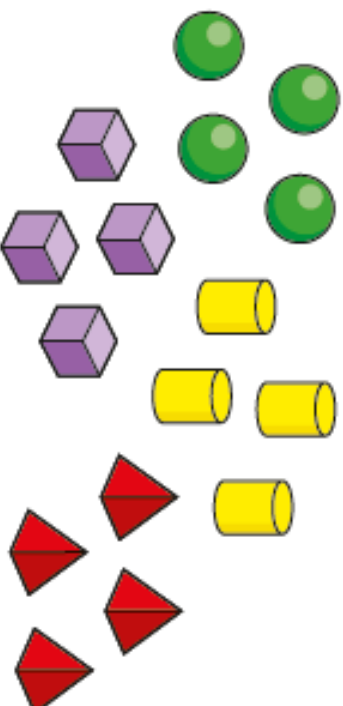
a) cube, sphere, cone, cube, sphere, cone



b) cylinder, pyramid, pyramid, cylinder, cylinder, pyramid



5 Eva is making a pattern using these shapes.



a) What pattern could Eva make?

b) Can you arrange Eva's shapes to make a symmetrical pattern?

c) Compare answers with a partner.



What could it be?



My Prediction

Who?

What?

What would you like to find out about this Penguin?

Try and use each one of the question words.

Write in a full sentence.

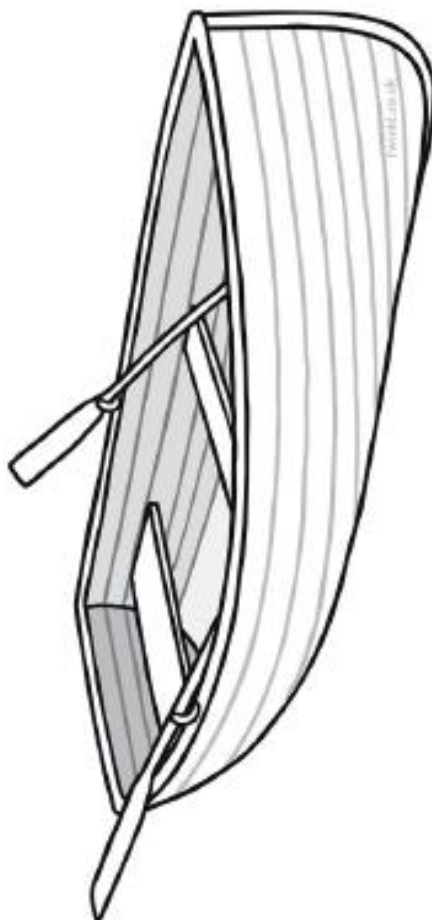
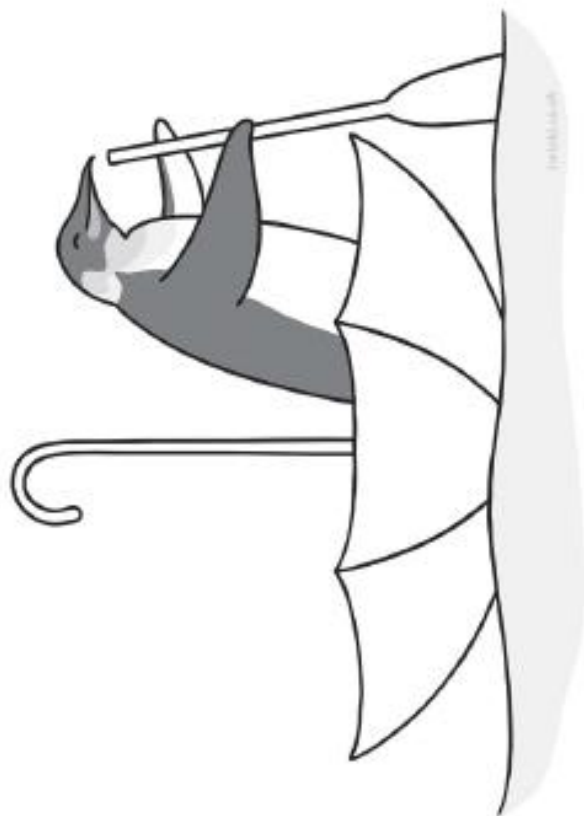
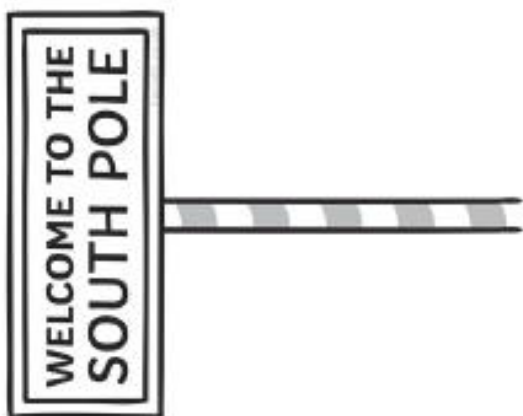
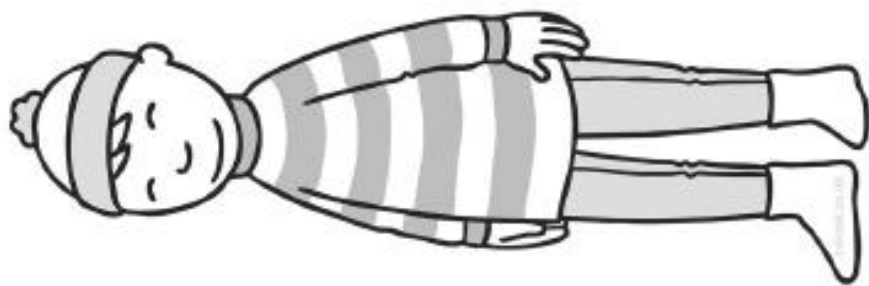


When?

Where?

Why?

How?



Choose a character:



	Beginning	Middle	End
Feeling			
Draw a picture of the point in the text.			
Why did he feel like this?	<hr/> <hr/> <hr/> <hr/> <hr/>	<hr/> <hr/> <hr/> <hr/> <hr/>	<hr/> <hr/> <hr/> <hr/> <hr/>

Useful Words: upset surprised frightened lonely loved jealous

A book review by: _____

Author: _____

Title: _____

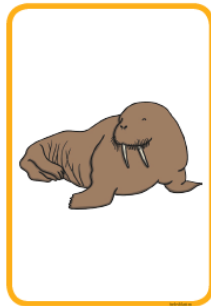
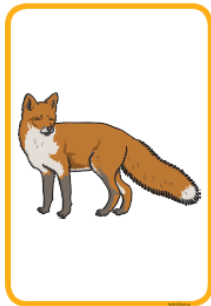
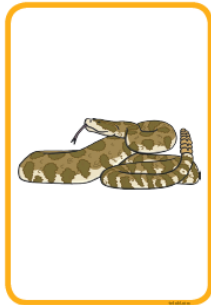
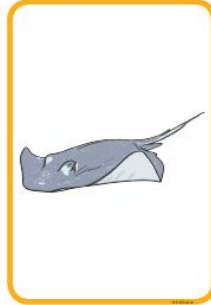
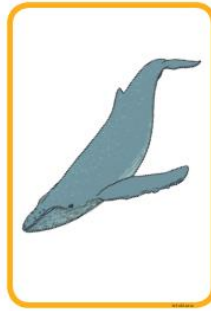
What was the story about?

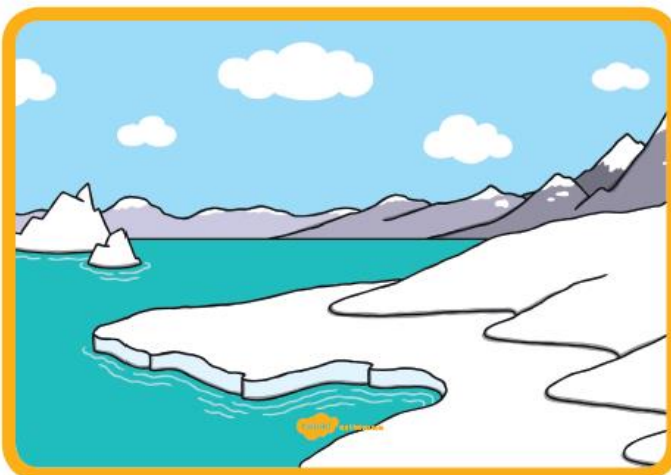
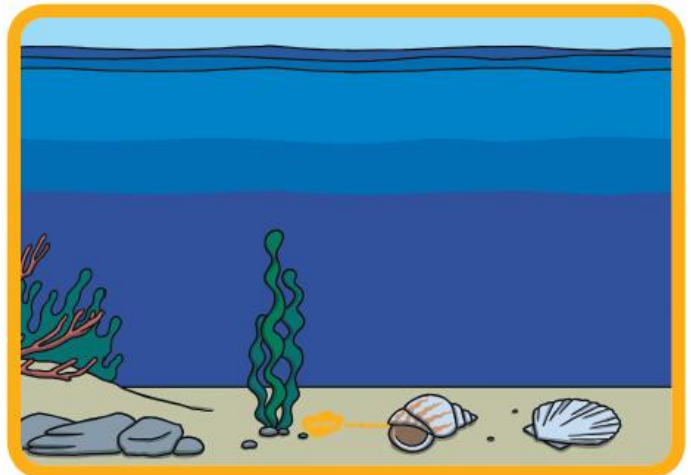
Who were the characters?

What did you like about the book?

Draw your favourite picture from the book.

Your rating: ____ / 10





Famous Explorers and Adventurers

What do you think of these portraits?

What do their portraits tell you about them?



Christopher Columbus



Amelia Earhart



Ernest Shackleton



Marco Polo

Create your own Portrait!

It could be a self-portrait or a portrait of someone in your family.

