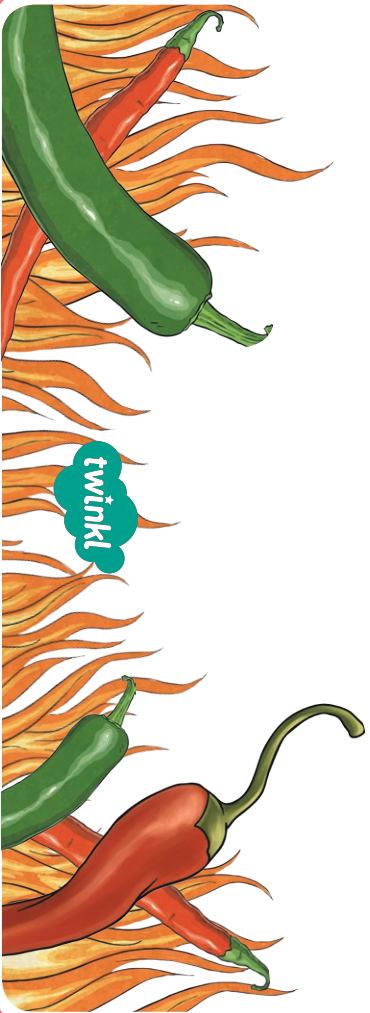


Chilli Challenge

Year 2 Geometry Maths Cards



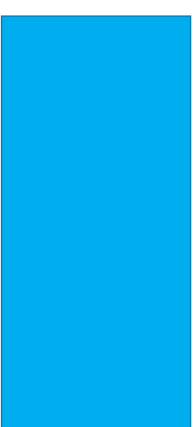
Chilli Challenge

Nice and Spicy!

2D Shape

Identify and describe the properties of 2D shapes, including the number of sides.

How many sides does this rectangle have?



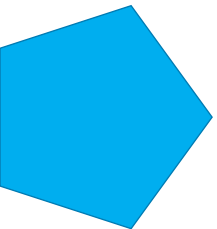
Chilli Challenge

Nice and Spicy!

2D Shape

Identify and describe the properties of 2D shapes, including the number of sides.

How many sides does this pentagon have?



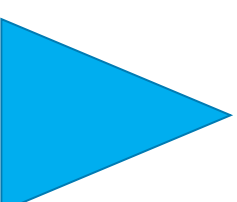
Chilli Challenge

Nice and Spicy!

2D Shape

Identify and describe the properties of 2D shapes, including the number of sides.

How many sides does this triangle have?



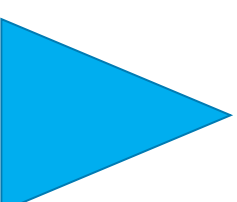
Chilli Challenge

Nice and Spicy!

2D Shape

Identify and describe the properties of 2D shapes, including the number of sides.

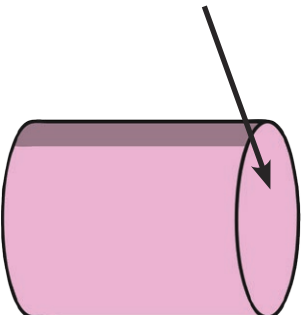
How many sides does this triangle have?



2D Shape

Identify 2D shapes on the surface of 3D shapes.

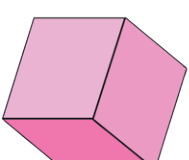
Which 2D shape is on the surface of this 3D shape?



3D Shape

Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces.

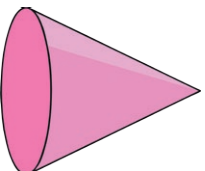
How many edges, vertices and faces does a cube have?



3D Shape

Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces.

How many edges, vertices and faces does a cone have?



Sorting

Compare and sort common 2D and 3D shapes and everyday objects.

Sort shapes according to the number of faces, sides, vertices or edges.

Tick the shape with 4 sides.



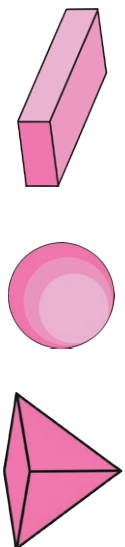


Sorting

Compare and sort common 2D and 3D shapes and everyday objects.

Sort shapes according to the number of faces, sides, vertices or edges.

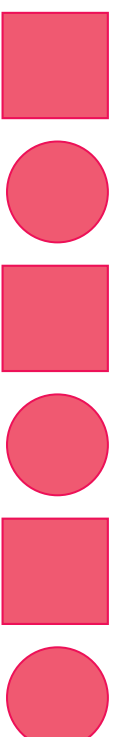
Tick the shape with 5 vertices.



Position, Direction and Movement

Order and arrange combinations of mathematical objects in patterns and sequences.

Continue this sequence:



Position, Direction and Movement

Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise).

Give 3 or 4 instructions to a partner to move from one place to another using quarter and half turns.

Go forwards 4 steps. Move a quarter turn clockwise.



2D Shape

Identify and describe the properties of 2D shapes, including the number of sides.

How many sides does a triangle have?

How many sides does an octagon have?

How many sides does a circle have?



2D Shape

Identify and describe the properties of 2D shapes, including the number of sides.

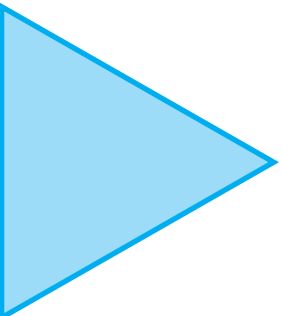
Draw a line of symmetry on this shape.



2D Shape

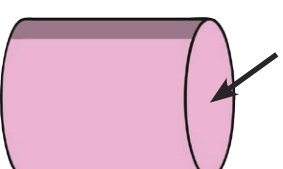
Identify and describe the properties of 2D shapes, including the number of sides.

Draw a line of symmetry on this shape.



2D Shape

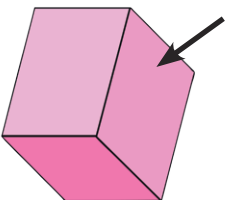
Identify 2D shapes on the surface of 3D shapes (for example, a circle on a cylinder and a triangle on a pyramid).





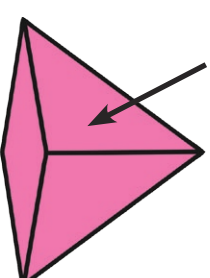
2D Shape

Identify 2D shapes on the surface of 3D shapes (for example, a circle on a cylinder and a triangle on a pyramid).



2D Shape

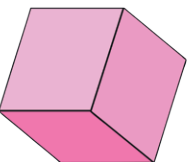
Identify 2D shapes on the surface of 3D shapes (for example, a circle on a cylinder and a triangle on a pyramid).



3D Shape

Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces.

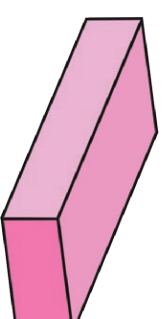
How many edges, vertices and faces does a cube have?



3D Shape

Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces.

How many edges, vertices and faces does a cuboid have?

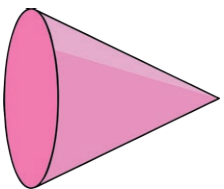




3D Shape

Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces.

How many edges, vertices and faces does a cone have?



Sorting

Compare and sort common 2D and 3D shapes and everyday objects.

Sort shapes according to the number of faces, sides, vertices or edges.

Tick the shape with 4 sides.

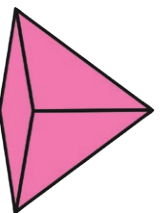
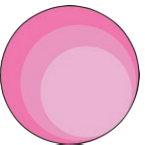
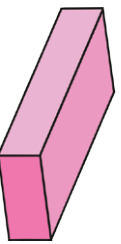


Sorting

Compare and sort common 2D and 3D shapes and everyday objects.

Sort shapes according to the number of faces, sides, vertices or edges.

Tick the shape with 5 vertices.



Sorting

Compare and sort common 2D and 3D shapes and everyday objects.

Sort shapes according to the number of faces, sides, vertices or edges.

Tick the object that is a sphere shape.





Position, Direction and Movement

Order and arrange combinations of mathematical objects in patterns and sequences.

Continue this sequence:



Sequences can be in different orientations (e.g. vertical).



Position, Direction and Movement

Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise).

Give instructions to a partner to move from one place to another using quarter and half turns.

Go forward 4 steps.

Move a quarter turn clockwise.

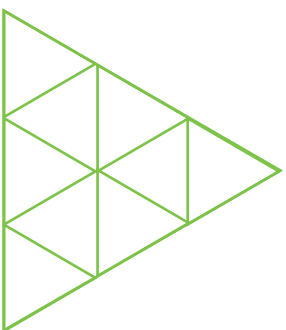
Program a robot to move using different directions and turns.



2D Shape

Identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line.

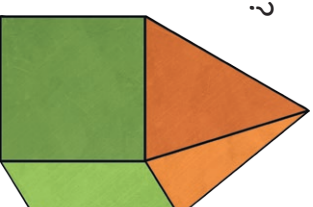
- How many triangles can you see?
- Can you create a symmetrical pattern using 2 colours?
- 3 colours?
- Where is the line of symmetry?



2D Shape

Identify 2D shapes on the surface of 3D shapes, (for example, a circle on a cylinder and a triangle on a pyramid).

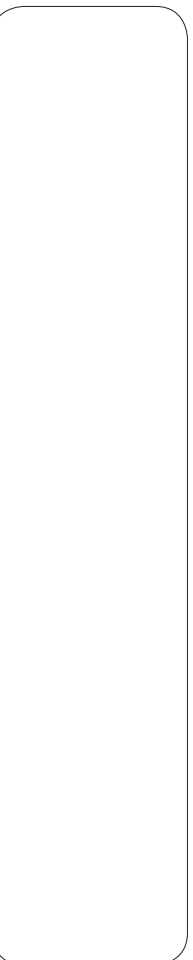
- What 2D shapes are on the surface of this shape?
- How many triangular faces does this shape have? How do you know?



3D Shape

Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces.

There is a 3D shape in the bag. It has a curved surface. What shapes could it be? What shapes could it not be? Describe a shape to your friend and see if they can guess which shape you are describing. Could it be a different shape?



Sorting

Compare and sort common 2D and 3D shapes and everyday objects. Sort shapes according to the number of faces, sides, vertices or edges.

Sort these shapes into 2 different groups.
How could you sort them?

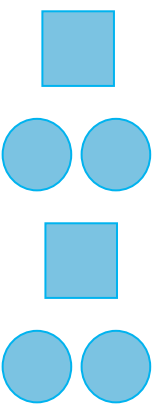




Position, Direction and Movement

Order and arrange combinations of mathematical objects in patterns and sequences.

Continue this sequence:



What would be the 24th pattern in the sequence? How do you know?



Position, Direction and Movement

Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise).

- Describe how the Bee-Bot could get to the treasure using 3 instructions.
- Can you use 4 instructions?
- What is the fewest amount of instructions you could use?

