Watch these short video clips to refresh your memory about 2D and 3D shapes
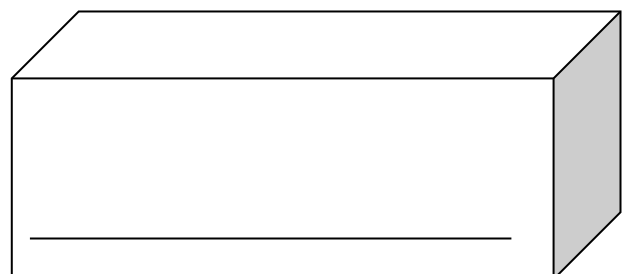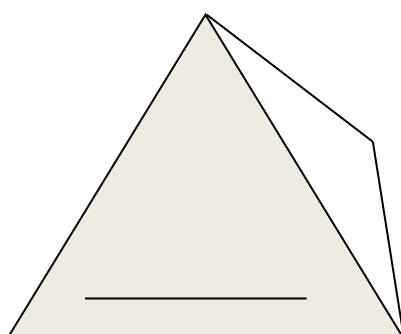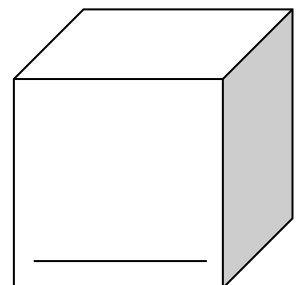
https://www.bbc.co.uk/bitesize/topics/zjv39j6

These shapes are 2D (flat) and 3D (solid).

1) Inside each shape, write its name.

2) If it is 2D write 2D inside the shape too. If it's 3D, write 3D inside the shape.

3) How many 2D shapes are there?

4) How many 3D shapes are there?

Use these words to help you

| Sphere | Circle | Cone | Triangle | Pyramid |
| Cube | Square | Rectangle | Cylinder | Cuboid |

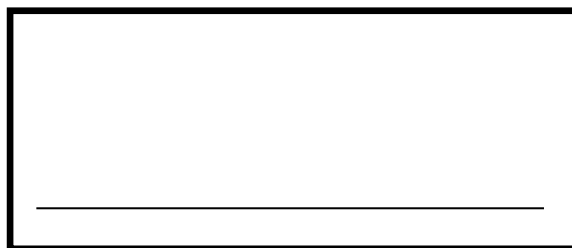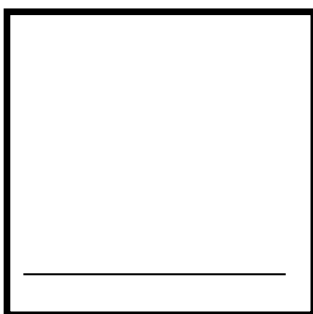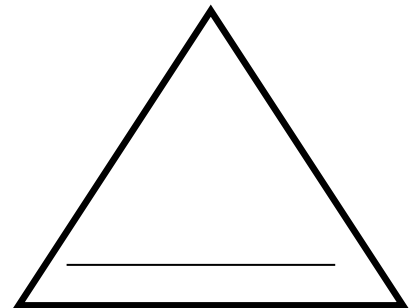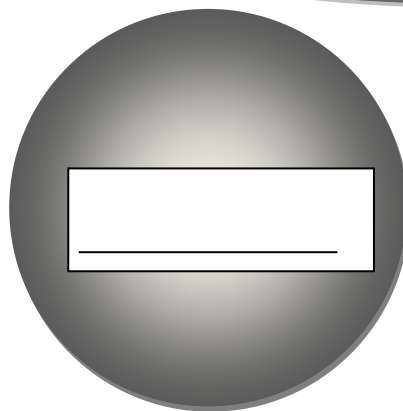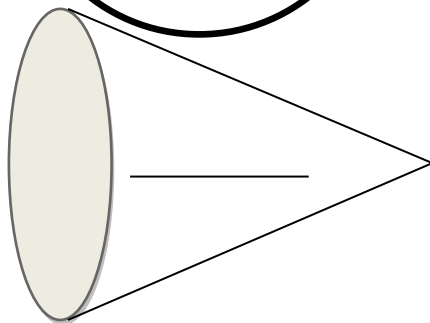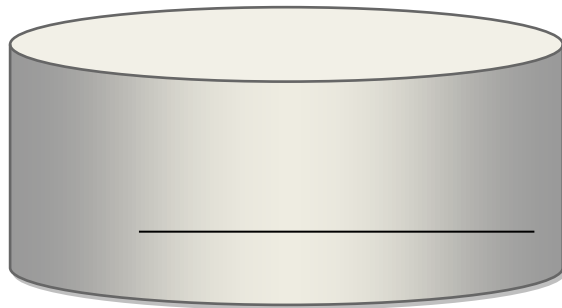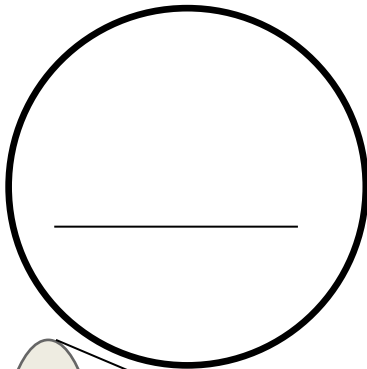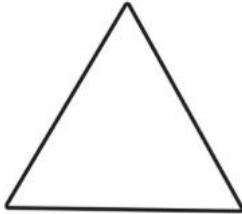Watch these short video clips to refresh your memory about 2D and 3D shapes
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Remember vertices just mean corners!

Properties of 2D Shapes

Write down the properties of the shapes.

A triangle has ____ sides.

A triangle has ____ vertices.

A rectangle has ____ sides.

A rectangle has ____ vertices.
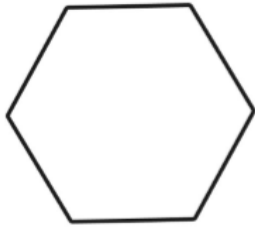
A square has ____ sides.
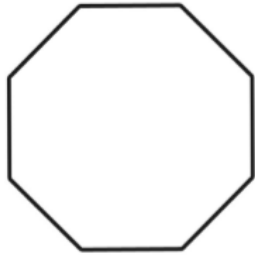
A square has ____ vertices.

A quadrilateral has ____ sides.

A quadrilateral has ____ vertices.

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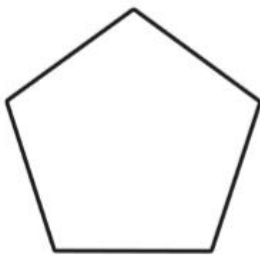https://www.bbc.co.uk/bitesize/topics/zjv39j6

A hexagon has ___ sides.
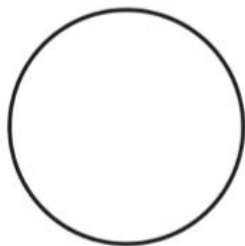
A hexagon has ___ vertices.

An octagon has ___ sides.

A octagon has ___ vertices.

A pentagon has ___ sides.

A pentagon has ___ vertices.

A circle has ___ side.

A circle has ___ vertices.

Go on a 2D and 3D shape hunt!

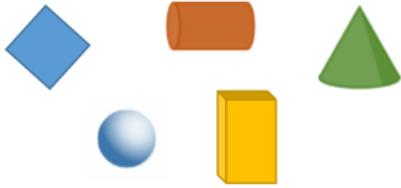How many can you find?

Eg) windows= rectangles

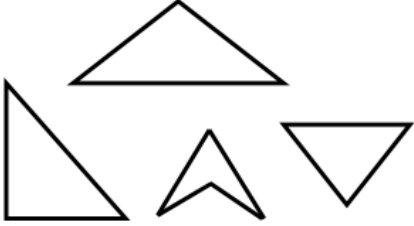Clock face = circle

Cereal box = cuboid

Tin of beans = cylinder

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Here are some reasoning and problem solving questions for you to solve.

Which shape is the odd one out?
Explain why.

Which shape is the odd one out?
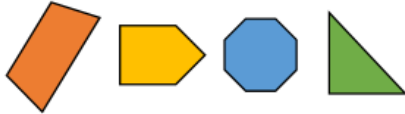Explain your reasoning.

Here are 18 lollipop sticks.
How many hexagons can you make?

How many octagons can you make?

What other shapes can you make with 18 lollipop sticks?

If I put these shapes into order from the smallest number of sides to the largest, which shape would come third?
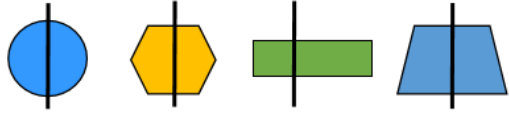
Where would a hexagon come in the list?
Why?

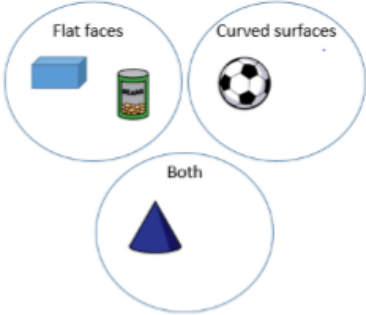Draw the vertical lines of symmetry on these shapes.

Circle the shape with an incorrect line of symmetry. Can folding help you prove your answers.

Teddy says my 3-D shape has 6 faces.
Mo says he must have a cube.
Is Mo correct?
Explain your answer.

Annie has sorted these 3-D shapes.
Can you spot her mistake?
Can you add another shape to each set?

Flat faces   Curved surfaces

Both

Whitney says,

I have a 3-D shape with 2 square faces and 4 rectangular faces.

What shape does Whitney have?

Play this game with a friend. Describe the faces of a 3-D shape and they need to guess what it is.