

Section 1

Show me a shape with three vertices

Show me a shape with four sides

Show me a pentagon

Convince me that this is a quadrilateral



Always, Sometimes, Never?

Shapes have the same number of sides as vertices

Explain whether this is always, sometimes or never true. Give examples to justify your answer.

Section 2

Show me a shape with a line of symmetry

Show me a shape with more than 1 line of symmetry

Convince me that this shape has a line of symmetry

Convince me that this shape does not have any lines of symmetry



Always, Sometimes, Never?
2D shapes have 1 line of symmetry

Explain whether this is always, sometimes or never true. Give examples to justify your answer.

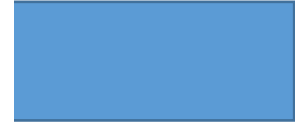
Section 3

Show me a shape where all the sides are equal length

Convince me that this is a rectangle

What's the same and what's different?
triangle, rectangle, pentagon, circle

Always, Sometimes, Never?
A square is a type of rectangle



Explain what is the same and what is different about these shapes.

Explain whether this is always, sometimes or never true. Give examples to justify your answer.

Section 4

Show me a sphere

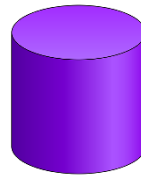
Show me a shape with six faces

Show

four

 shapes that are 3D

Convince me that this shape will roll



Always, Sometimes, Never?

A pyramid has one square face

Explain whether this is always, sometimes or never true. Give examples to justify your answer.

Convince me that a cube and a cuboid have the same number of faces, edges and vertices

Convince me that a cuboid is a prism

Show me all the shapes with 12 edges