Test - Properties of 2D and 3D shapes

Year: Year 2 · Duration: 30 minutes · /20

Name:	Date:	**Mark:** /20

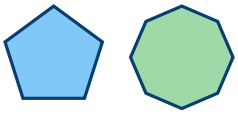
Question	1	2	3	4	5	Total
marks	4	4	4	4	4	**20**
Mark						

Show your working.

Question 1 (4 marks)

Question 1 – 2D shapes

Look at the shapes.



a. Name the first shape and say how many sides it has.
b. Name the second shape and say how many vertices it has.
c. How many more sides does the second shape have than the first?

Question 2 (4 marks)

Question 2 – 3D shapes

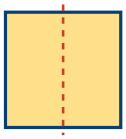
Answer each question about 3D shapes.

a. Name the shape: 
b. How many faces, edges and vertices does a cube have?
c. Name a 3D shape that can roll.

Question 3 (4 marks)

Question 3 – Symmetry

Here is a square.



a. How many lines of symmetry does a square have?
b. How many lines of symmetry does a rectangle (not a square) have?
c. Does a diagonal split a rectangle into two matching halves that fold exactly on top of each other?

Question 4 (4 marks)

Question 4 – Sorting shapes

Sort the shapes: circle, triangle, square, hexagon, rectangle.

a. Which shapes have exactly 4 sides?
b. Which shape has 6 vertices?
c. Which shape has a curved side?
d. Which shape has the fewest sides?

Question 5 (4 marks)

Question 5 – The gift box

Sara wraps a present in a box that is a cuboid. She puts a ribbon along 4 of its edges. The box has 12 edges. A tin of sweets in the box is a cylinder.

a. How many faces and vertices does the box have?
b. How many edges does the ribbon not cover?
c. How many flat faces does the cylinder tin have?