Name:

Date:

Year 2 Maths Geometry Properties of Shapes Assessment 1

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

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

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

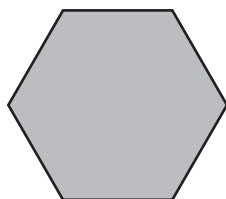4. Compare and sort common 2-D and 3-D shapes and everyday objects.

Year 2 Maths Geometry Properties of Shapes Assessment 1

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

Name these shapes and describe their properties.

4 marks

a) Name of shape [   ]

Number of sides [   ]

Number of corners [   ]

b) Name of shape [   ]

Number of sides [   ]

Number of corners [   ]

Use a ruler to draw one line of symmetry through the following shapes.

2 marks

c)

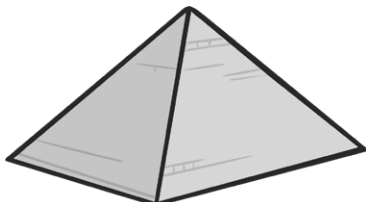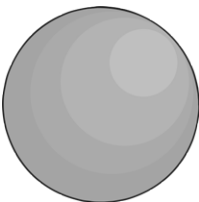**d)**
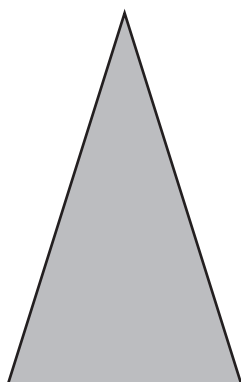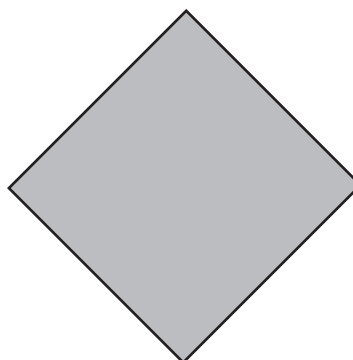
e) Draw a pentagon. Use a ruler.

1 mark

total for this page

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

Name these shapes and fill in the properties.

a) Name of shape [   ]

Number of faces [   ]

Number of edges [   ]

Number of vertices [   ]

b) Name of shape [   ]

Number of faces [   ]

Number of edges [   ]

Number of vertices [   ]

c) I am thinking of a 3-D shape. It has 2 triangular faces and 3 rectangular faces. It has six vertices. Tick the shape I am describing.
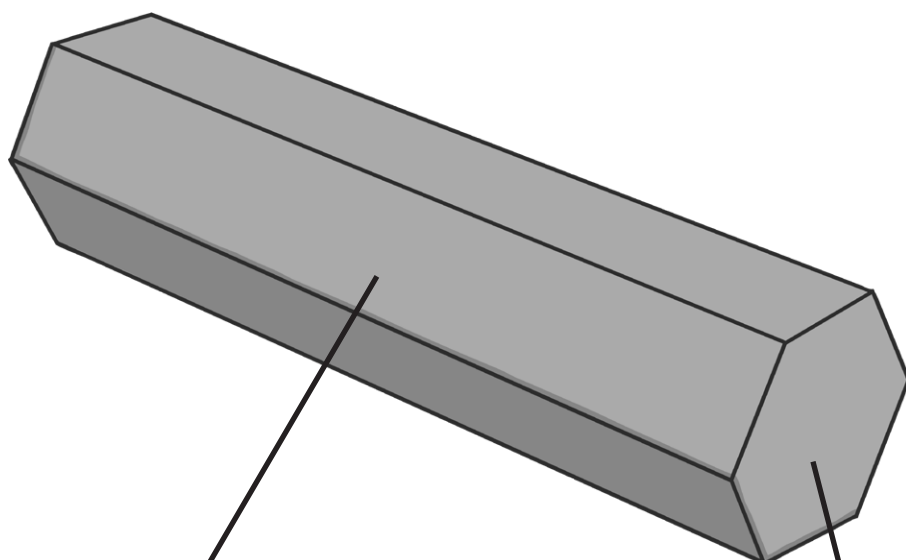
☐   ☐   ☐
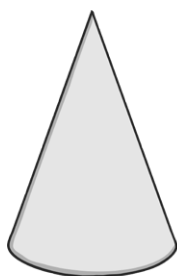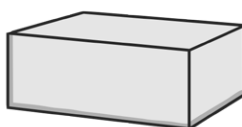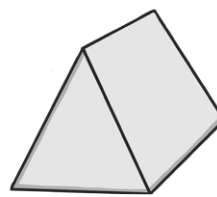
Can you tell me what it is called? [   ]

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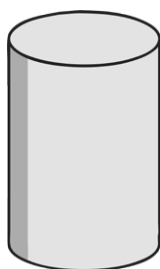**3.** Identify 2D shapes on the surface of 3D shapes.

Label the 2D shapes indicated below.

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

a) Tell me **one** thing that is the same and **two** things that are different about these 2 shapes.
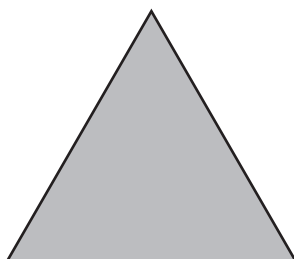
Cuboid
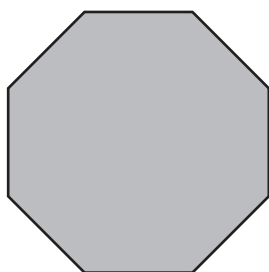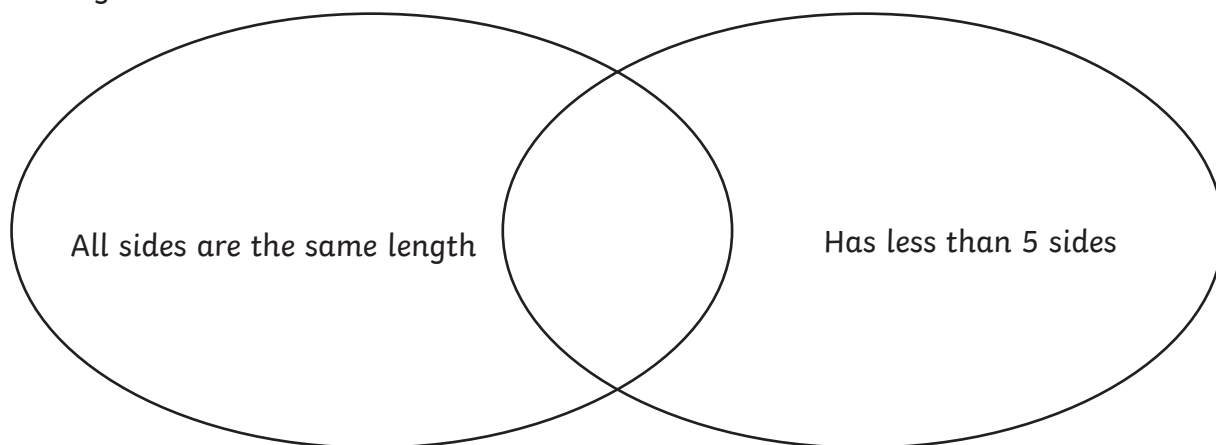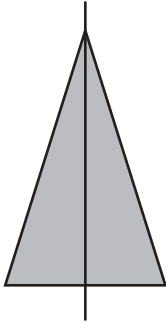
Cylinder

Same

Different

Different

3 marks
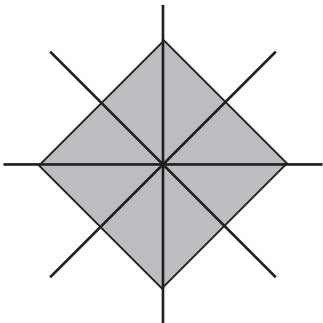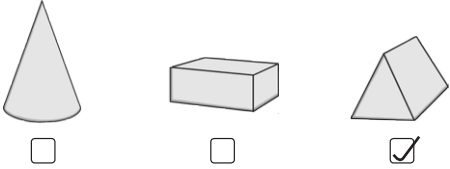
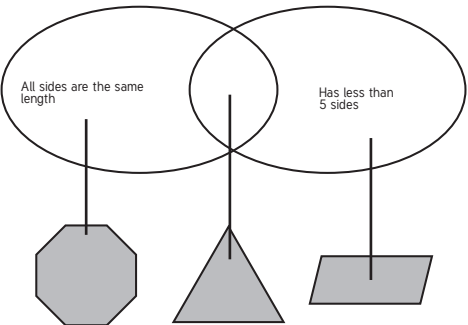**b)** Draw a line from the shapes to where you think they should go in the Venn diagram.

All sides are the same length

Has less than 5 sides

total for this page

END OF TEST

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Question	Answer	Marks	Notes
1. Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line.			
a	Hexagon 6 sides 6 corners	2	One mark for naming the shape and 1 for all properties correct.
b	Rectangle 4 sides 4 corners	2	One mark for naming the shape and 1 for all properties correct.
c		1	One mark for drawing any line of symmetry.
d		1	One mark for drawing any line of symmetry.
e	Any shape with 5 straight sides	1	
2. Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces.			
a	Square based pyramid 5 faces 8 edges 5 vertices	2	1 mark for the name and 1 for all the correct properties.
b	Sphere 1 face 0 edges 0 vertices	2	1 mark for the name and 1 for all the correct properties.
c	 Triangular prism	1	1 mark for correctly identifying and naming the shape.

Question	Answer	Marks	Notes
3. Identify 2-D shapes on the surface of 3-D shapes.			
	Hexagon and rectangle	2	1 mark for each correct answer.
4. Compare and sort common 2-D and 3-D shapes and everyday objects.			
a	Same – They both have some flat faces. Different – One has a curved face/ curved edges and the other does not. One has circle faces and the other does not. One will roll and the other will not. One has 6 faces and the other has 3 faces.	3	Accept any similarity and 2 differences. Accept any words to a similar effect.
b		3	1 mark for each correct. 3 for all correct.
		Total 20	