

Name:



Maths Assessment Year 2 Term 2: Geometry – Properties of Shapes

1. Identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line.
2. Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces.
3. Identify 2D shapes on the surface of 3D shapes.
4. Compare and sort common 2D and 3D shapes and everyday objects.

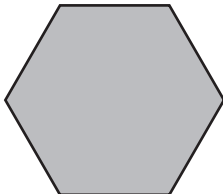

Name:

Date:

Maths Assessment Year 2 Term 2: Geometry – Properties of Shapes

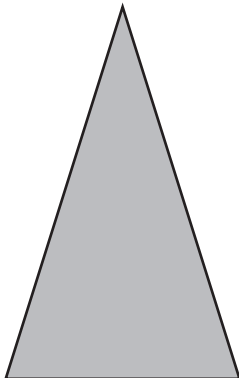
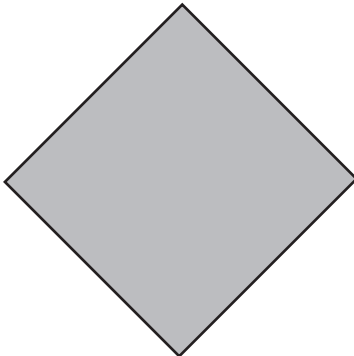
1. Identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line.

Name these shapes and describe their properties.

	
a) Name of shape <input type="text"/>	b) Name of shape <input type="text"/>
Number of sides <input type="text"/>	Number of sides <input type="text"/>
Number of corners <input type="text"/>	Number of corners <input type="text"/>

4 marks

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

c) 	d) 
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2 marks

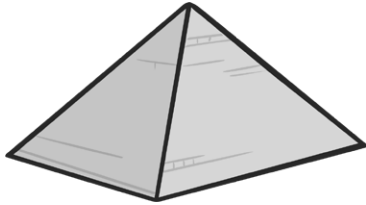
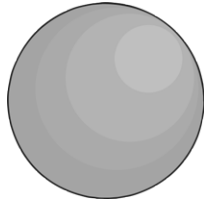
e) Draw a pentagon. Use a ruler.

1 mark

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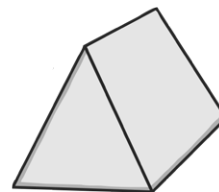
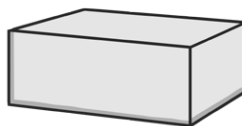
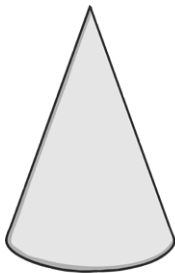
2. Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces.

Name these shapes and fill in the properties.

<p>a) Name of shape <input type="text"/></p>  <p>Number of faces <input type="text"/></p> <p>Number of edges <input type="text"/></p> <p>Number of vertices <input type="text"/></p>	<p>b) Name of shape <input type="text"/></p>  <p>Number of faces <input type="text"/></p> <p>Number of edges <input type="text"/></p> <p>Number of vertices <input type="text"/></p>
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4 marks

c) I am thinking of a 3D shape. It has 2 triangular faces and 3 rectangular faces. It has six vertices. Tick the shape I am describing.



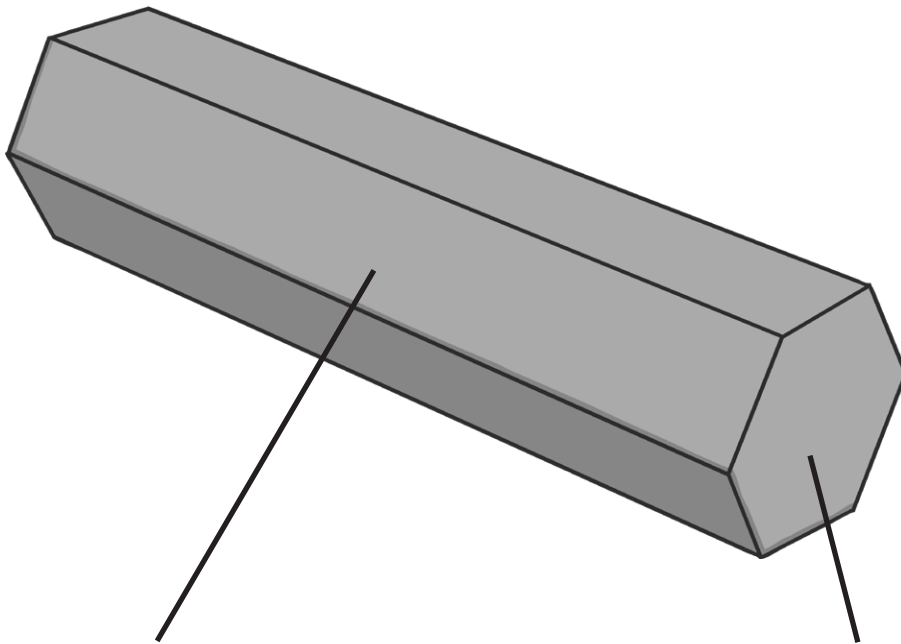
Can you tell me what it is called?

1 mark

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

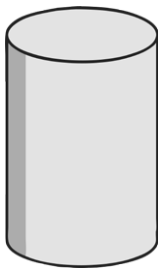
Label the 2D shapes indicated below.



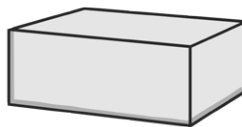
2 marks

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

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



Cylinder



Cuboid

Same

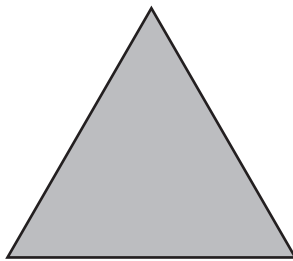
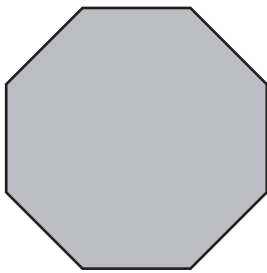
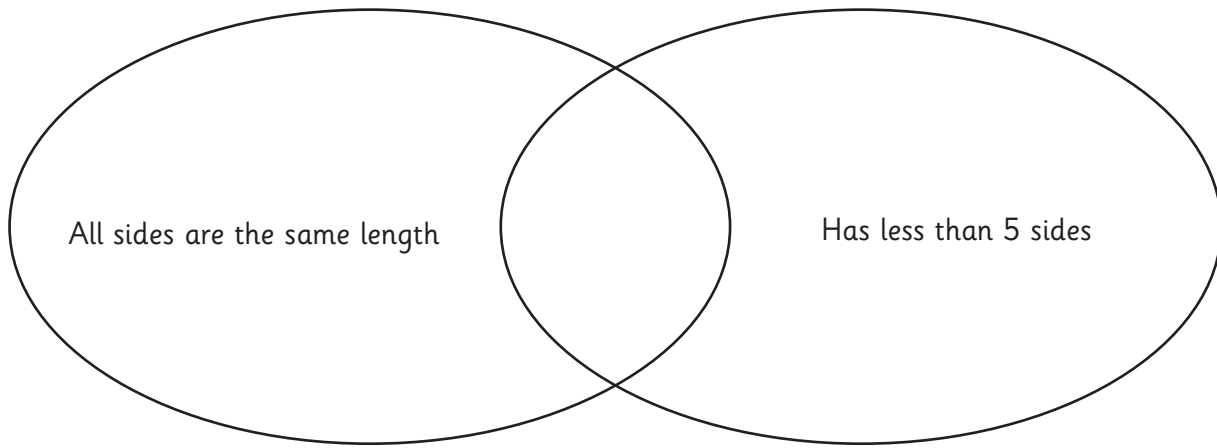
Different

Different

3 marks

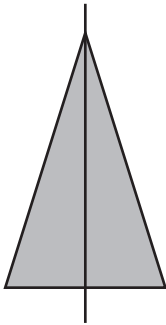
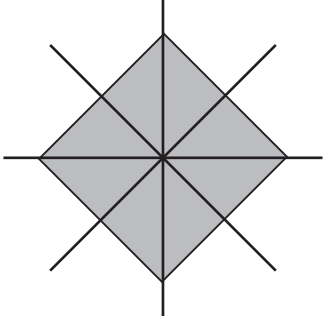
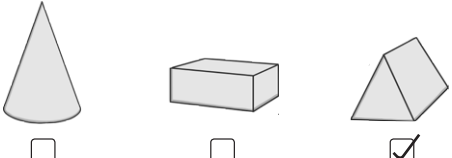
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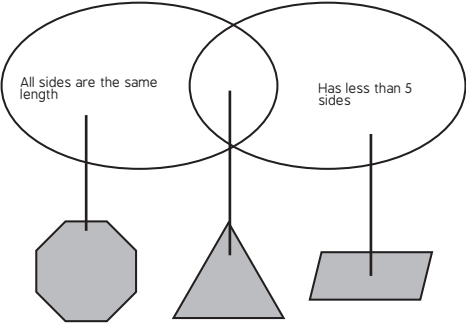
b) Draw a line from the shapes to where you think they should go in the Venn diagram.



3 marks

Total for this page

question	answer	marks	notes
1. Identify and describe the properties of 2D 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 3D 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	 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Triangular prism	1	1 mark for correctly identifying and naming the shape.

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