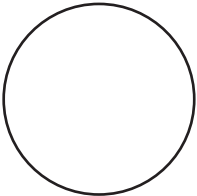
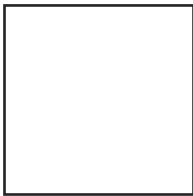

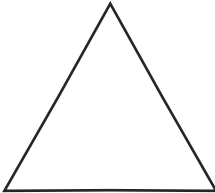
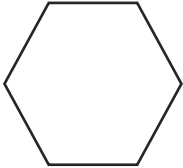
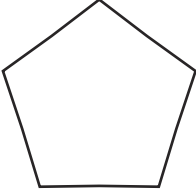
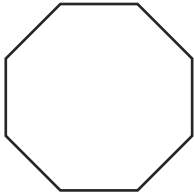



# Shape Properties – 2D Answers

Name these shapes and write their properties.

	Name: <u>circle</u> Number of sides: <u>1</u> Number of corners: <u>0</u>		Name: <u>square</u> Number of sides: <u>4</u> Number of corners: <u>4</u>
	Name: <u>rectangle</u> Number of sides: <u>4</u> Number of corners: <u>4</u>		Name: <u>triangle</u> Number of sides: <u>3</u> Number of corners: <u>3</u>
	Name: <u>hexagon</u> Number of sides: <u>6</u> Number of corners: <u>6</u>		Name: <u>pentagon</u> Number of sides: <u>5</u> Number of corners: <u>5</u>
	Name: <u>octagon</u> Number of sides: <u>8</u> Number of corners: <u>8</u>		Name: <u>semicircle</u> Number of sides: <u>2</u> Number of corners: <u>2</u>

Challenge: Lucy says that all 2D shapes have the same number of sides as their number of corners. Is she right? Explain your answer.

**She is not right. A circle has 1 side and no corners.**

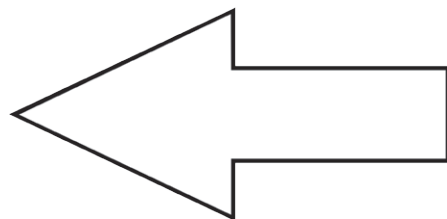
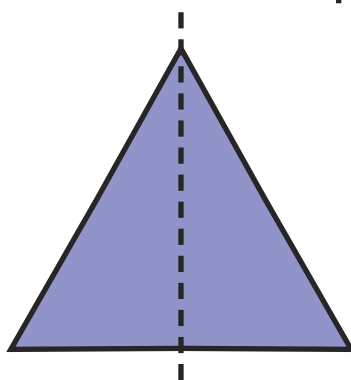
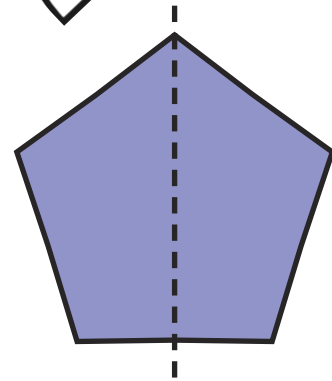
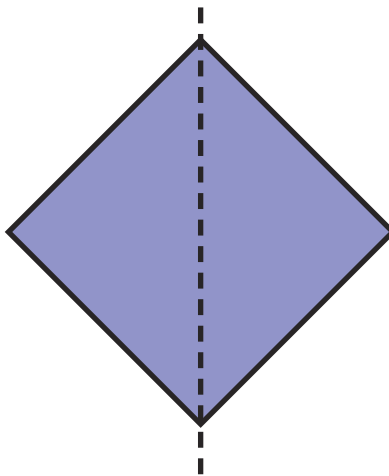
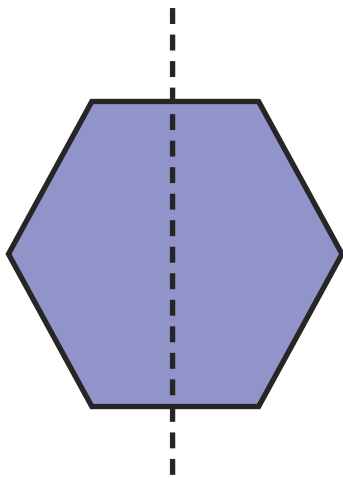
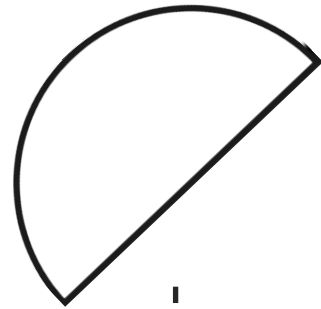
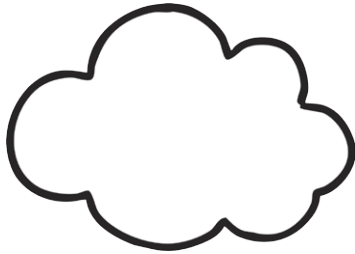
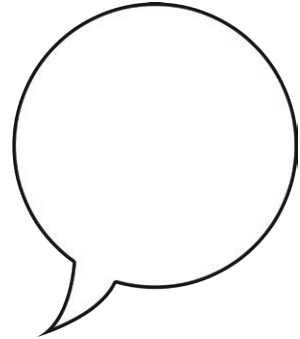
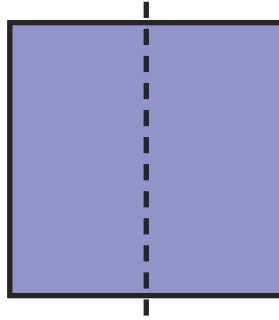
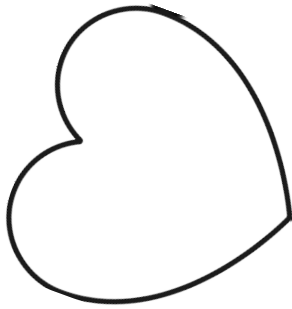
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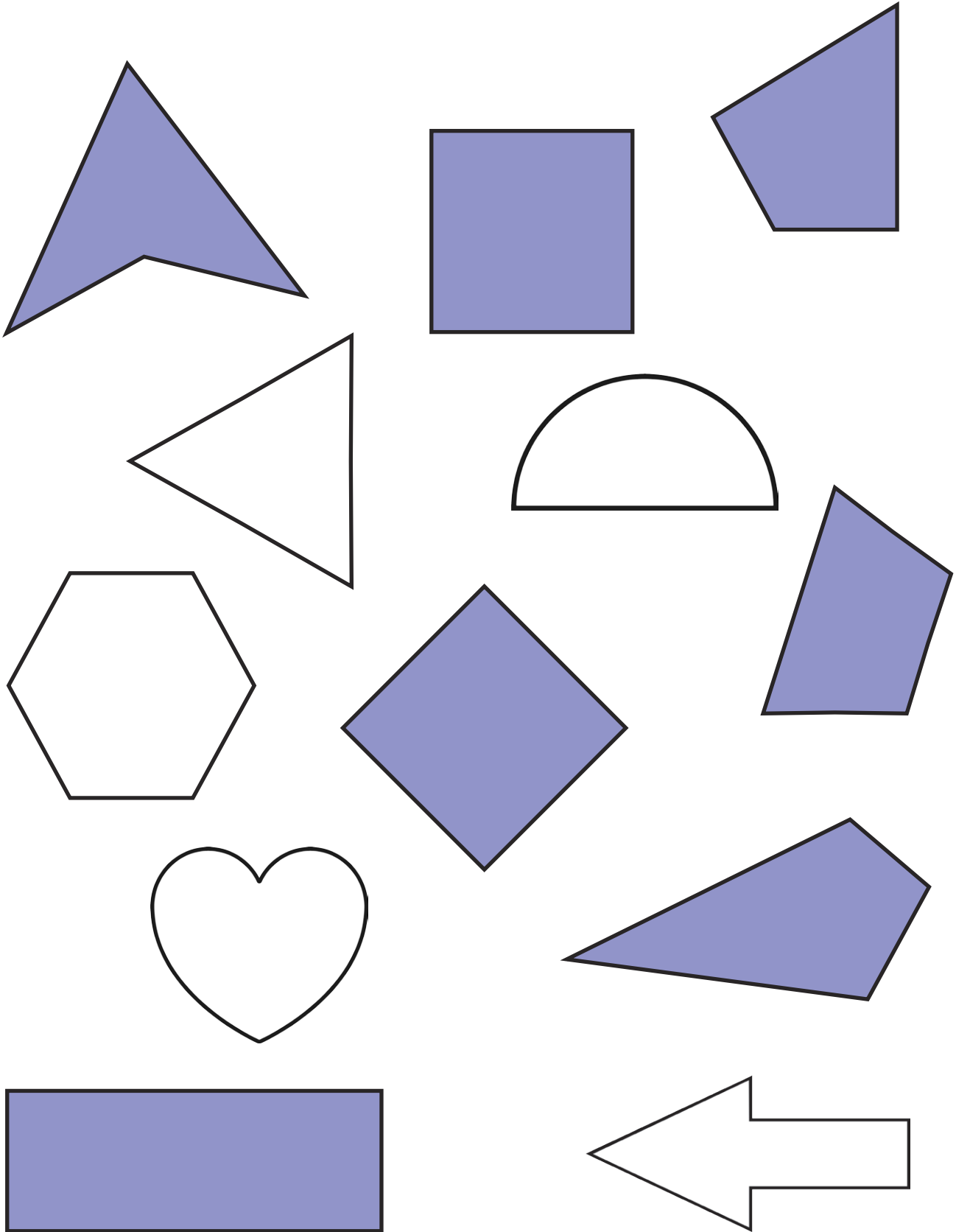
# Shape Symmetry Answers

Some of these shapes have a vertical line of symmetry and some don't. Colour in the shapes that do have a vertical line of symmetry, and draw the line in the correct place.



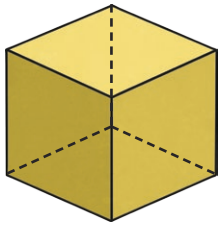
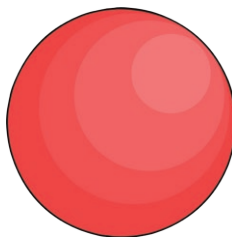
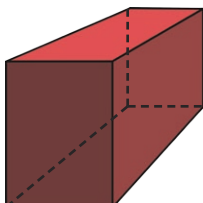
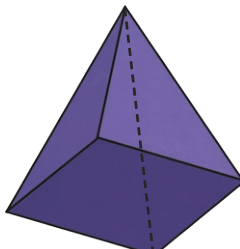
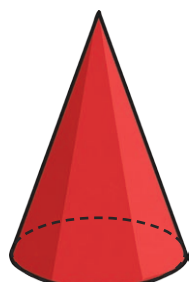
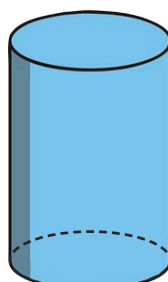
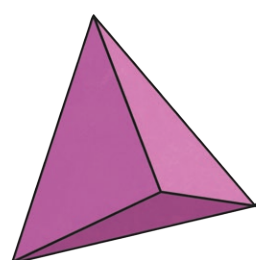
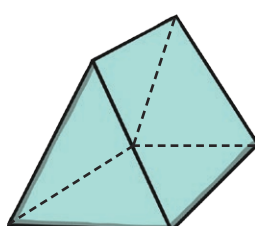
# Quadrilateral Quiz Answers

A quadrilateral is any shape with four sides and four corners. Colour in all the quadrilaterals.



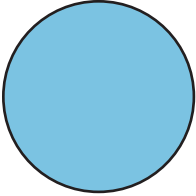
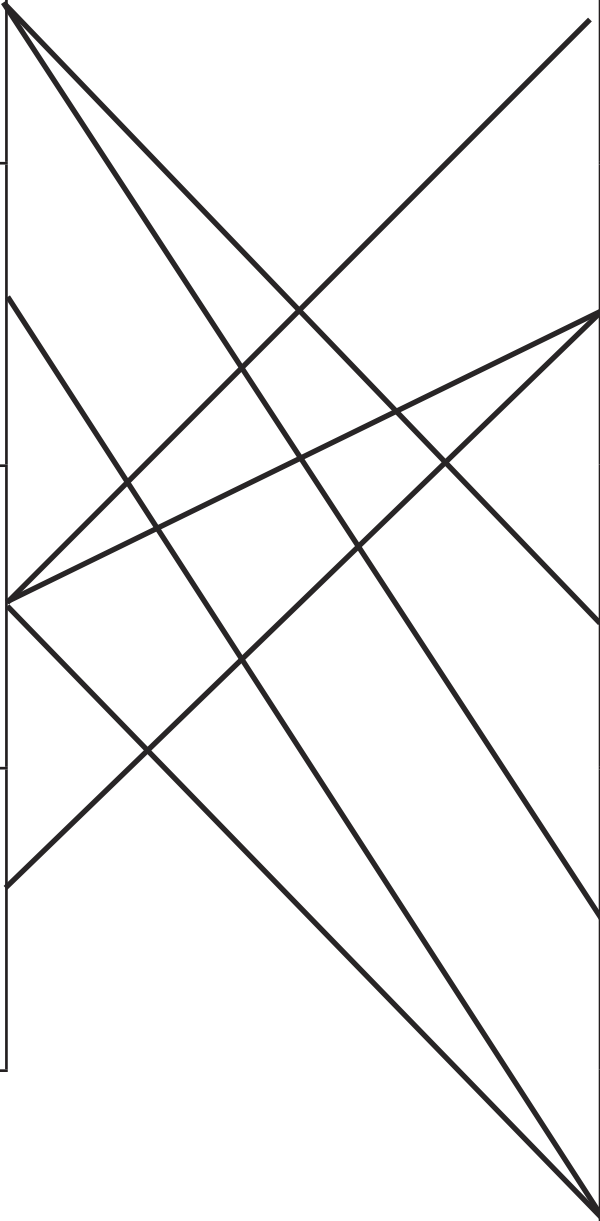
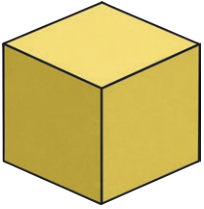
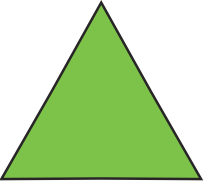
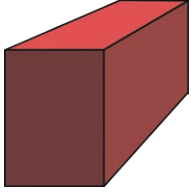
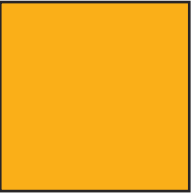
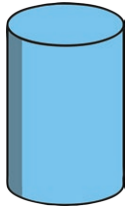

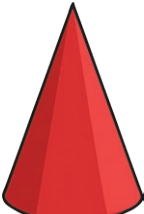
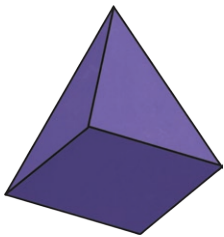
# Shape Properties – 3D Answers

Name these shapes and write their properties.

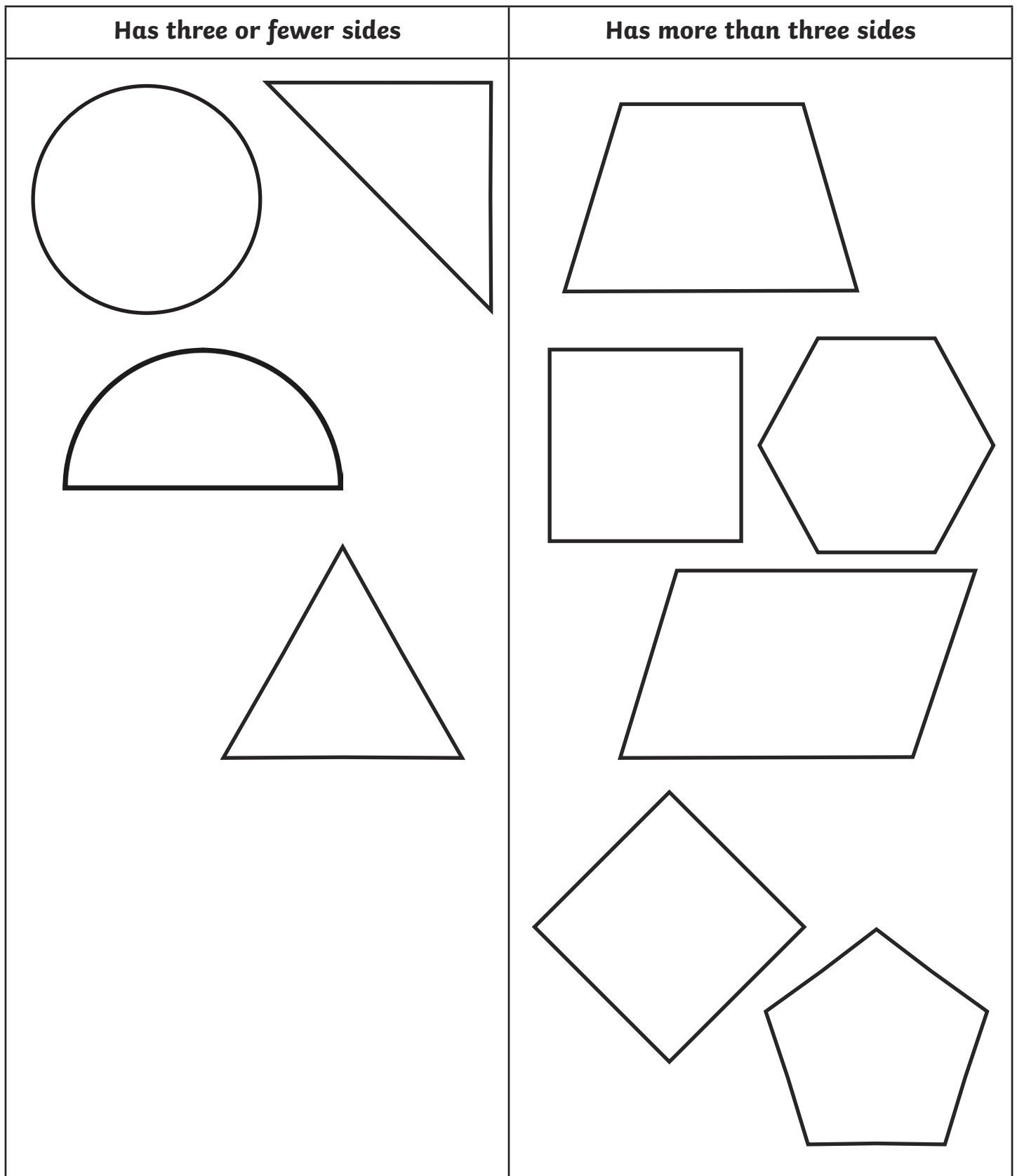
	Name: <u>cube</u> Number of faces: <u>6</u> Number of edges: <u>12</u> Number of vertices: <u>8</u>		Name: <u>sphere</u> Number of faces: <u>1</u> Number of edges: <u>0</u> Number of vertices: <u>0</u>
	Name: <u>cuboid</u> Number of faces: <u>6</u> Number of edges: <u>12</u> Number of vertices: <u>8</u>		Name: <u>square-based pyramid</u> Number of faces: <u>5</u> Number of edges: <u>8</u> Number of vertices: <u>5</u>
	Name: <u>cone</u> Flat faces: <u>1</u> Curved faces: <u>1</u> Number of edges: <u>1</u> Number of vertices: <u>0</u>		Name: <u>cylinder</u> Flat faces: <u>2</u> Curved faces: <u>1</u> Number of edges: <u>2</u> Number of vertices: <u>0</u>
	Name: <u>triangular-based pyramid</u> Number of faces: <u>4</u> Number of edges: <u>6</u> Number of vertices: <u>4</u>		Name: <u>triangular prism</u> Number of faces: <u>5</u> Number of edges: <u>9</u> Number of vertices: <u>6</u>

# What Shapes Can You See? Answers

Look closely at some 3D shapes. Their faces are made up of 2D shapes. What shapes can you see? Match the 2D shape faces to the 3D shapes – some 2D shape faces may match with more than one 3D shape.

 <b>circle</b>		 <b>cube</b>
 <b>triangle</b>		 <b>cuboid</b>
 <b>square</b>		 <b>cylinder</b>
 <b>rectangle</b>		 <b>cone</b>
		 <b>square-based pyramid</b>

# Carroll Diagram **Answers**



Can you think of a different way to sort 2D shapes? Make your own Carroll diagram.

# Shape Sorting 2

Can you sort these 3D shapes into a Venn diagram? Think about which shape belongs in each circle. Do any belong in the middle? Do any belong outside the circles?

