★ Count Edges on 3-D Shapes

Children use their knowledge of faces and curved surfaces to help them to identify edges on 3D shapes. They learn that an edge is where 2 faces meet or where a face and a curved surface meet. To avoid overcounting the edges, they need to mark each edge in some way. On this sheet, they use the 3D shape mat to help them identify the names of the shapes.

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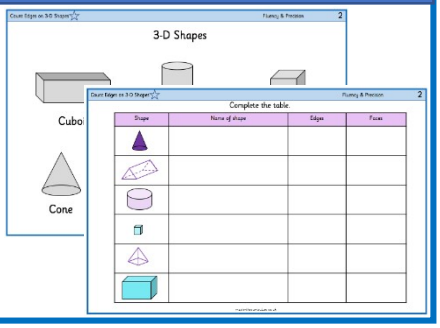

★★ Count Edges on 3-D Shapes

Children use their knowledge of faces and curved surfaces to help them to identify edges on 3D shapes. They learn that an edge is
where 2 faces meet or where a face and a curved surface meet. To avoid overcounting the edges, they need to mark each edge in some way. On this sheet, they have more of a range of 3D shapes to identify.

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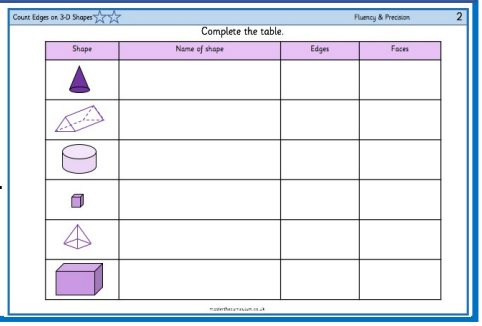

★★★ Count Edges on 3-D Shapes

On this sheet, children have more challenging 3D shapes. They can
research what each shape might be, or use the 3D shape mat provided to find the shapes. They also have an additional column asking for a shape with more or less edges.

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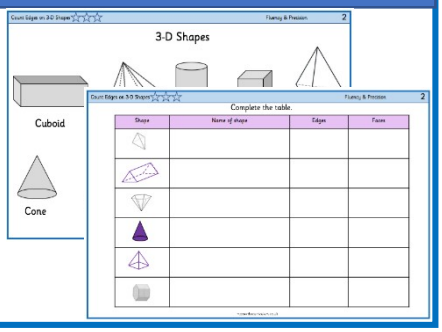
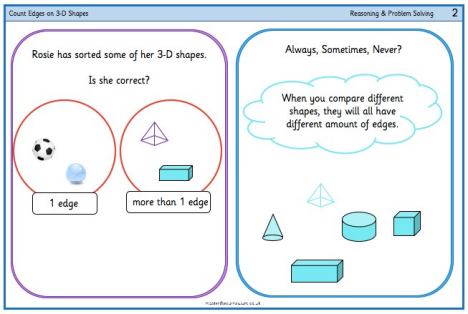


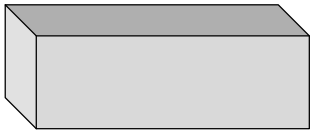
Reasoning & Problem Solving

Count Edges on 3-D Shapes

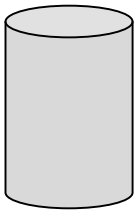
Children continue demonstrating their understanding of 3D shapes by answering reasoning questions.



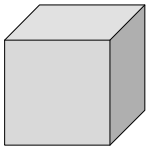
3D Shapes



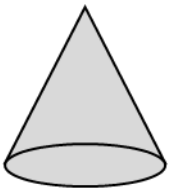
Cuboid



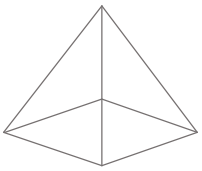
Cylinder



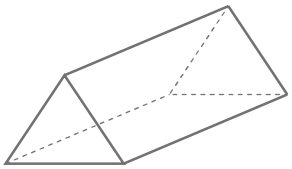
Cube



Cone



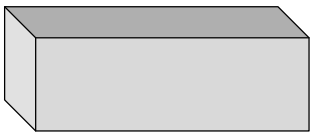
Square-based pyramid



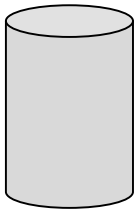
Triangular Prism

Count Edges on 3-D Shape ☆ Fluency & Precision 2

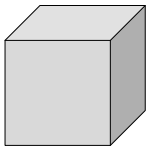
3D Shapes



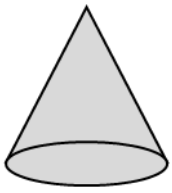
Cuboid



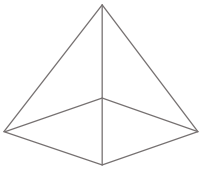
Cylinder



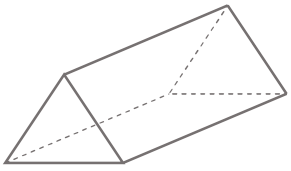
Cube



Cone



Square-based pyramid



Triangular Prism

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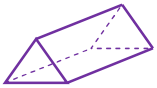
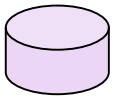
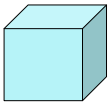
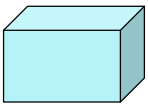
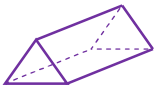
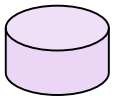
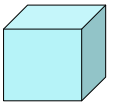
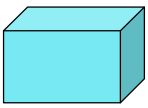
Complete the table.

Shape	Name of shape	Edges	Faces
			
			
			
			
			
			

Count Edges on 3-D Shapes Fluency & Precision 2

Complete the table.

Shape	Name of shape	Edges	Faces
			
			
			
			
			
			

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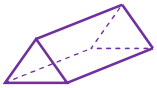
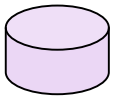
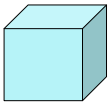
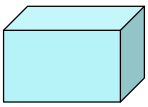
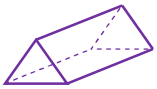
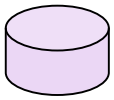
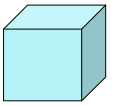
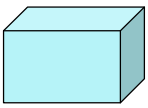
Complete the table.

Shape	Name of shape	Edges	Faces
			
			
			
			
			
			

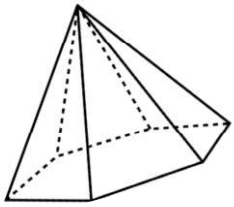
Count Edges on 3-D Shape ☆☆ Fluency & Precision 2

Complete the table.

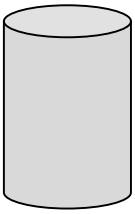
Shape	Name of shape	Edges	Faces
			
			
			
			
			
			

3D Shapes

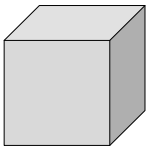
Cuboid



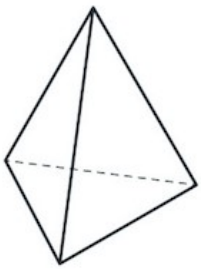
Hexagonal Pyramid



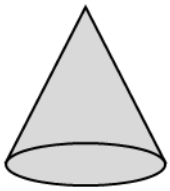
Cylinder



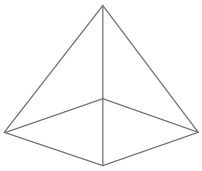
Cube



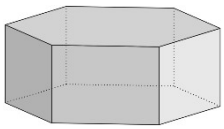
Tetrahedron



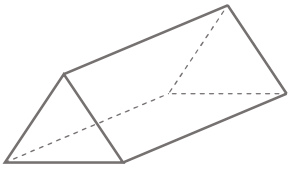
Cone



Square-based pyramid



Hexagonal Prism

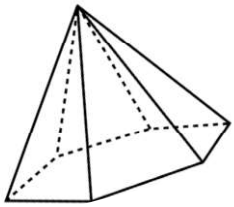


Triangular Prism

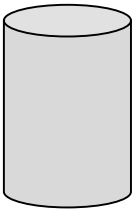
Count Edges on 3-D Shape ☆☆☆ Fluency & Precision 2

3D Shapes

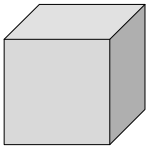
Cuboid



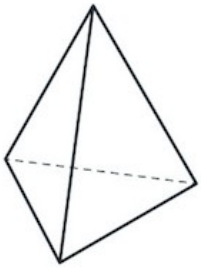
Hexagonal Pyramid



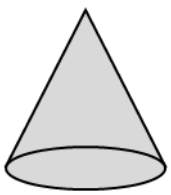
Cylinder



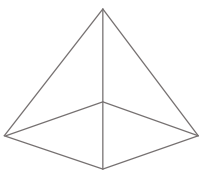
Cube



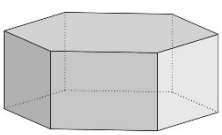
Tetrahedron



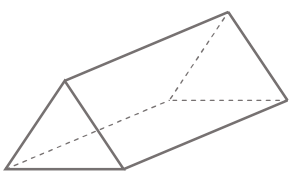
Cone



Square-based pyramid



Hexagonal Prism



Triangular Prism

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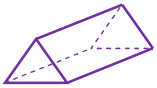
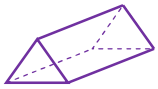
Complete the table.

Shape	Name of shape	Edges	Faces
			
			
			
			
			
			

Count Edges on 3-D Shape ☆☆☆ Fluency & Precision 2

Complete the table.

Shape	Name of shape	Edges	Faces
			
			
			
			
			
			

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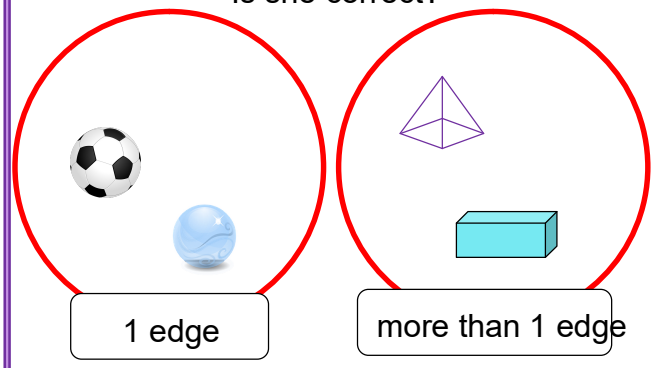
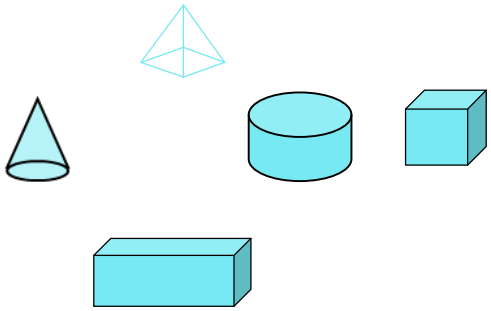
Rosie has sorted some of her 3D shapes.

Is she correct?



Always, Sometimes, Never?

When you compare different shapes, they will all have different amount of edges.



Count Edges on 3-D Shapes Reasoning & Problem Solving 2

Rosie has sorted some of her 3D shapes.

Is she correct?

1 edge
more than 1 edge

Always, Sometimes, Never?

When you compare different shapes, they will all have different amount of edges.

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