

★ Sort 3-D Shapes

Children use their knowledge of shape properties to sort 3D shapes in different ways, e.g. faces, shapes of faces, edges, vertices, if they roll, if they stack, etc.

They should have access to a range of real life objects to sort and compare. Before sorting, it may be useful to give them the opportunity to match the object, e.g. a can to a cylinder, etc. On this sheet, they are given 3D shapes with names to sort.

masterthecurriculum.co.uk

Table 1

Sphere	Cylinder	Cube
Cuboid	Square based Pyramid	Cone

Table 2

Triangular Prism	Tetrahedron	Cuboid
Sphere	Cylinder	Cone

Sorting grid:

Vertices 5 or more	Vertices 4

★★ Sort 3-D Shapes

Children use their knowledge of shape properties to sort 3D shapes in different ways, e.g. faces, shapes of faces, edges, vertices, if they roll, if they stack, etc.

They should have access to a range of real life objects to sort and compare. Before sorting, it may be useful to give them the opportunity to match the object, e.g. a can to a cylinder, etc. On this sheet, they are given 3D shapes and real life objects to sort.

masterthecurriculum.co.uk

Table 1

[Cylinder]	[Cylinder]	[Cuboid]
[Cuboid]	[Cone]	[Sphere]

Table 2

[Triangular Prism]	[Tetrahedron]	[Cuboid]
[Sphere]	[Cylinder]	[Cone]

Sorting grid:

Vertices 5 or more	Vertices 4

★★★ Sort 3-D Shapes

Children use their knowledge of shape properties to sort 3D shapes in different ways, e.g. faces, shapes of faces, edges, vertices, if they roll, they stack, etc. They should have access to a range of real life objects to sort and compare. Before sorting, it may be useful to give them the opportunity to match the object, e.g. a can to a cylinder. etc. On this sheet, they are given

3D shapes and real life objects to sort without names. They can write the names themselves.

masterthecurriculum.co.uk

Table 1

[Cylinder]	[Cylinder]	[Cuboid]
[Cuboid]	[Cone]	[Sphere]

Table 2

[Triangular Prism]	[Tetrahedron]	[Cuboid]
[Sphere]	[Cylinder]	[Cone]

Sorting grid:

Vertices 5 or more	Vertices 4

Reasoning & Problem Solving

Sort 3-D Shapes

Children continue demonstrating their understanding of sorting shapes into tables by answering reasoning questions.

Sort 3-D Shapes Reasoning & Problem Solving 2

Leanna is thinking of shapes that will not fit into her categories.

Is she correct? Explain your answer.

Flat Faces	Curved Faces

Have the shapes been sorted correctly? Explain your answer.

0 Vertices	4 or More Vertices
[Cylinder]	[Triangular Prism]
[Cone]	[Tetrahedron]

Rosie has sorted her shapes into the following categories.  
Stick and paste the shapes that could belong in each group.

More than 5 faces	Less than 5 faces

Curved edges	Straight edges

Rosie has sorted her shapes into the following categories.  
Stick and paste the shapes that could belong in each group.

More than 5 faces	Less than 5 faces

Curved edges	Straight edges

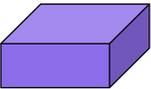
Rosie has sorted her shapes into the following categories.  
Stick and write the names of the shapes that could belong in each group.

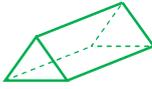
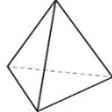
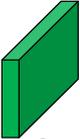
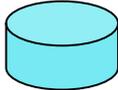
More than 5 faces	Less than 5 faces

Curved edges	Straight edges

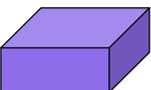
Sheet to photocopy and give sets to.

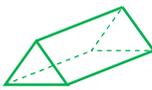
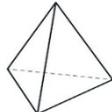
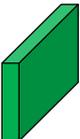
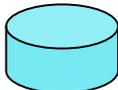
★

		
Sphere	Cylinder	Cube
		
Cuboid	Square-based Pyramid	Cone

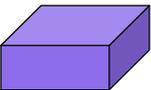
		
Triangular Prism	Tetrahedron	Cuboid
		
Sphere	Cylinder	Cone

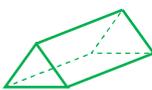
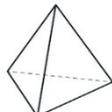
★

		
Sphere	Cylinder	Cube
		
Cuboid	Square-based Pyramid	Cone

		
Triangular Prism	Tetrahedron	Cuboid
		
Sphere	Cylinder	Cone

★

		
Sphere	Cylinder	Cube
		
Cuboid	Square-based Pyramid	Cone

		
Triangular Prism	Tetrahedron	Cuboid
		
Sphere	Cylinder	Cone

Sheet to photocopy and give sets to.



Table 1

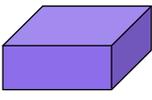
		
	Cylinder	Cuboid
		
Cuboid		Cone
		
Cube	Square-based Pyramid	Sphere

Table 2

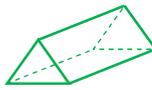
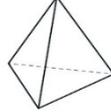
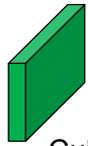
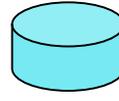
		
Triangular Prism	Tetrahedron	
		
Sphere		Cone
		
Cuboid	Cylinder	



Table 1

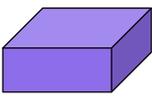
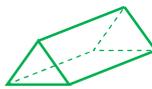
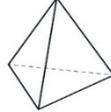
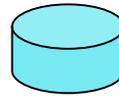
		
	Cylinder	Cuboid
		
Cuboid		Cone
		
Cube	Square-based Pyramid	Sphere

Table 2

		
Triangular Prism	Tetrahedron	
		
Sphere		Cone
		
Cuboid	Cylinder	

Sheet to photocopy and give sets to.



Table 1

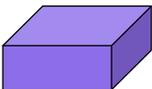
		
		
		

Table 2

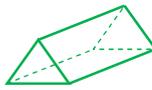
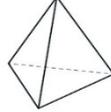
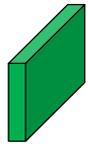
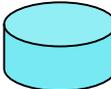
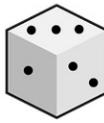
		
		
		



Table 1

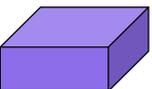
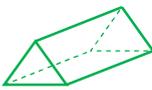
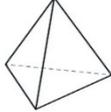
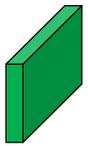
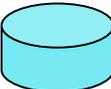
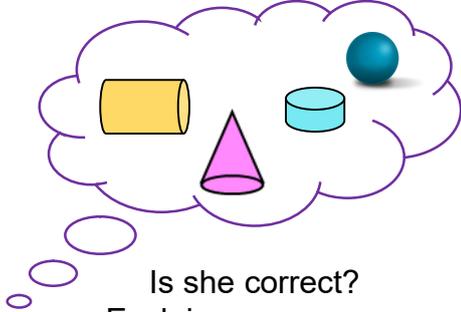
		
		
		

Table 2

Leanna is thinking of shapes that will not fit into her categories.



Is she correct?  
Explain your answer.

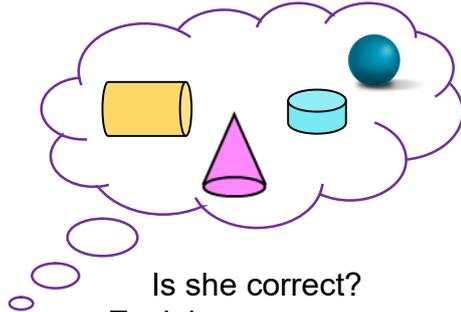


Flat Faces	Curved Faces

Have the shapes been sorted correctly?  
Explain your answer.

0 Vertices	4 or More Vertices

Leanna is thinking of shapes that will not fit into her categories.



Is she correct?  
Explain your answer.



Flat Faces	Curved Faces