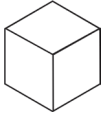
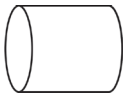
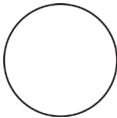
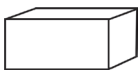

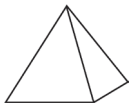


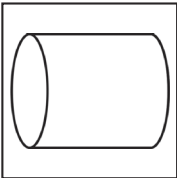
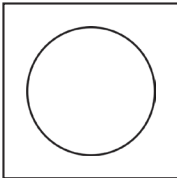
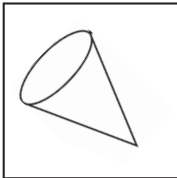
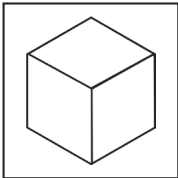
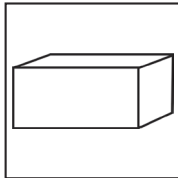
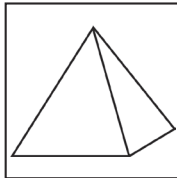
3D Shape Label Matching Answers

Cut out the names of the shapes and match them to the correct shape.

	Cube
	Cylinder
	Sphere
	Cuboid
	Cone
	Square-Based Pyramid

3D Shape Properties Table Answers

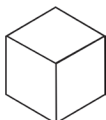
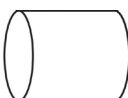
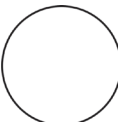



Cut out the 3D shapes and sort them into the table below.

Shapes that roll	Shapes that don't roll
  	  

3D Shape Properties Table

Look carefully at the properties of these 3D shapes.

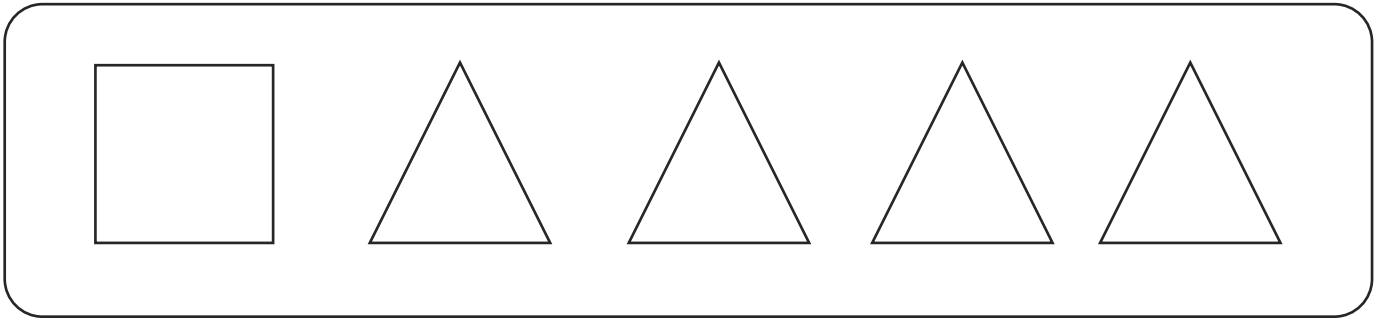
Write your results in the table.

3D Shape	Number of Straight Edges	Number of Curved Edges	Number of Vertices	Does it roll?	Does it Stack?
 Cube	12	0	8	No	Yes
 Cylinder	0	2	0	Yes	Yes
 Sphere	0	0	0	Yes	No
 Cuboid	12	0	8	No	Yes
 Cone	0	1	1	Yes	No
 Square-Based Pyramid	8	0	5	No	No

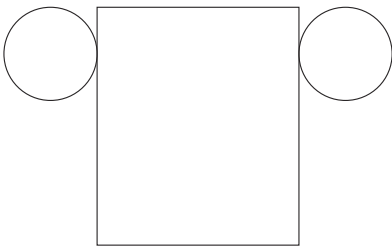
The results tell me that many 3D shapes have different properties. However, a cube and a cuboid have similarities because they both have the same number of vertices and edges. Also, a cylinder is the only 3D shape that can both stack and roll.

3D Shapes and Their Faces

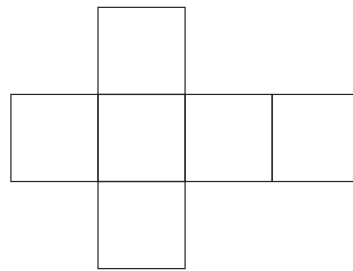
1. A square-based pyramid has 5 faces.
2. The faces are: 4 triangles and 1 square.
3. Draw the faces below:



4. Look at the nets below. What 3D shapes do they make when folded?



This net makes a cylinder.



This net makes a cube.

5. A cuboid has 6 faces.
6. The faces are: 4 rectangles and 2 squares.

