3D shapes: faces, edges and vertices

Years 2 to 6. Complete the table, then name the 3D shape of each everyday object.

Name: _____ Date: _____

Shape	Faces	Edges	Vertices
cube			
cuboid			
square-based pyramid			
triangular prism			
triangular-based pyramid			
pentagonal prism			
hexagonal prism			

Which 3D shape is each object?

1. A football is a _____

2. A tin of beans is a _____

3. A dice is a _____

4. A cereal box is a _____

5. A ice cream cone is a _____

6. A Toblerone box is a _____

Check: for every shape in the table, faces + vertices - edges = 2.

Answer key: 3D shapes

Answers to the table and the everyday objects.

Shape	Faces	Edges	Vertices
cube	6	12	8
cuboid	6	12	8
square-based pyramid	5	8	5
triangular prism	5	9	6
triangular-based pyramid	4	6	4
pentagonal prism	7	15	10
hexagonal prism	8	18	12

Which 3D shape is each object?

1. A football is a **sphere**
2. A tin of beans is a **cylinder**
3. A dice is a **cube**
4. A cereal box is a **cuboid**
5. A ice cream cone is a **cone**
6. A Toblerone box is a **triangular prism**

Check: for every shape in the table, faces + vertices - edges = 2.