**Year 5 Week 8 Lesson 3 Answers**
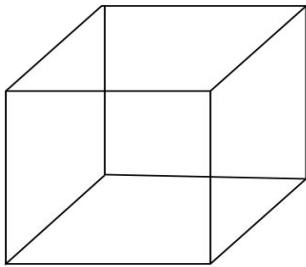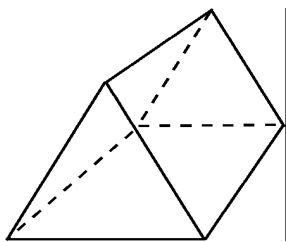
**Can I classify 3D shapes?**

**RED**

1. Cube



Shapes of faces = squares

Number of faces = 6

Number of edges = 12
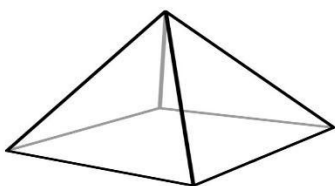
Number of vertices = 8

2. Triangular prism



Shapes of faces = 2 triangles 3 rectangles

Number of faces = 5

Number of edges = 9
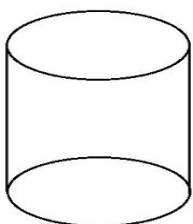
Number of vertices = 6

3. Square-based pyramid



Shapes of faces = 1 square 4 triangles

Number of faces = 5

Number of edges = 8
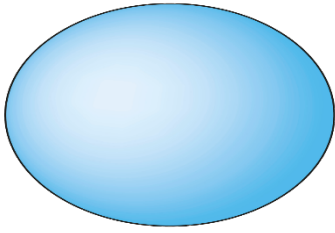
Number of vertices = 5

4. Cylinder



Shapes of faces = 2 circles 1 rectangle

Number of faces = 3

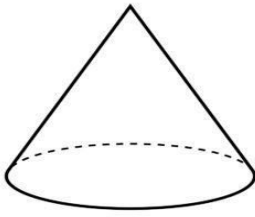Number of edges = 2

Number of vertices = 0

5. Sphere

Shapes of faces = other

Number of faces = 1

Number of edges = 0

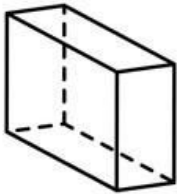Number of vertices = 0

6. Cone

Shapes of faces = 1 circle 1 curved

Number of faces = 2

Number of edges = 1

Number of vertices = 1

7. Cuboid

Shapes of faces = rectangles

Number of faces = 6

Number of edges = 12

Number of vertices = 8

1. Sphere

Shapes of faces = other

Number of faces = 1

Number of edges = 0

Number of vertices = 0

2. Cone

Shapes of faces = 1 circle 1 curved

Number of faces = 2

Number of edges = 1

Number of vertices = 1
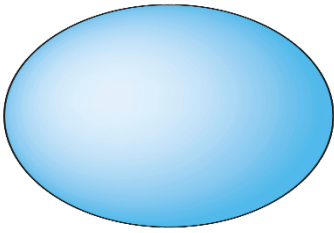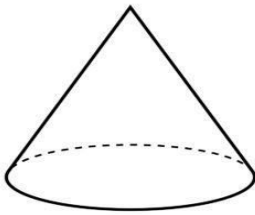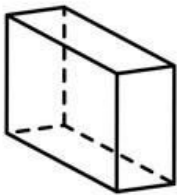
3. Cuboid
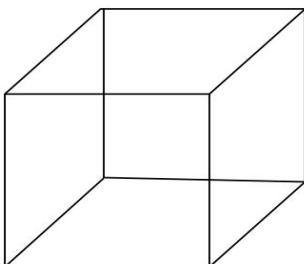
Shapes of faces = rectangles

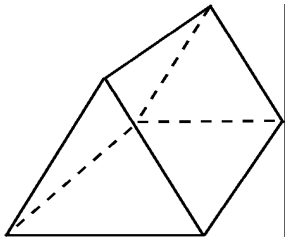Number of faces = 6

Number of edges = 12

Number of vertices = 8

4. Cube

Shapes of faces = squares

Number of faces = 6

Number of edges = 12
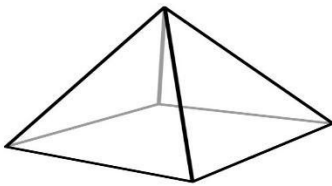
Number of vertices = 8

## 5. Triangular prism

Shapes of faces = 2 triangles 3 rectangles

Number of faces = 5

Number of edges = 9
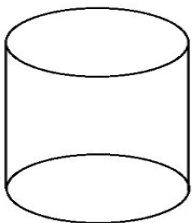
Number of vertices = 6

## 6. Square-based pyramid

Shapes of faces = 1 square 4 triangles

Number of faces = 5

Number of edges = 8

Number of vertices = 5

## 7. Cylinder

Shapes of faces = 2 circles 1 rectangle

Number of faces = 3

Number of edges = 2

Number of vertices = 0

1. Cube

Shapes of faces = squares

Number of faces = 6

Number of edges = 12

Number of vertices = 8

2. Triangular prism

Shapes of faces = 2 triangles 3 rectangles

Number of faces = 5

Number of edges = 9

Number of vertices = 6

3. Square-based pyramid

Shapes of faces = 1 square 4 triangles

Number of faces = 5

Number of edges = 8

Number of vertices = 5
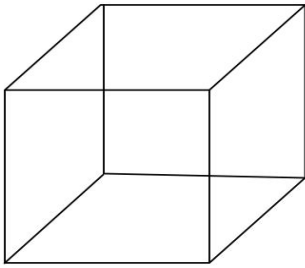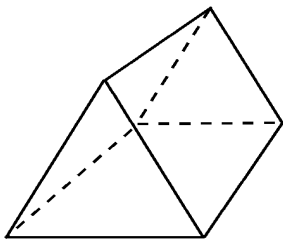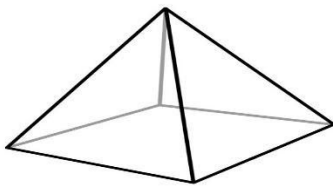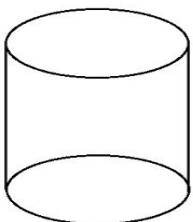
4. Cylinder
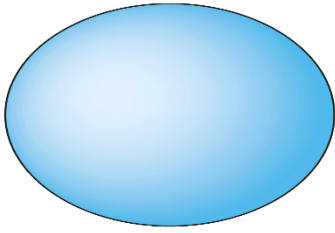
Shapes of faces = 2 circles 1 rectangle

Number of faces = 3

Number of edges = 2

Number of vertices = 0
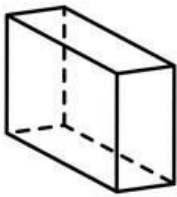
## 5. Sphere



Shapes of faces = other

Number of faces = 1

Number of edges = 0
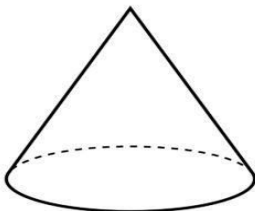
Number of vertices = 0

## 6. Cuboid



Shapes of faces = rectangles

Number of faces = 6

Number of edges = 12

Number of vertices = 8

## 7. Cone



Shapes of faces = 1 circle 1 curved

Number of faces = 2

Number of edges = 1

Number of vertices = 1

8. Find 3D shapes around your home.  Can you find any that you can classify? Please send a picture to us of any you find.