3D shapes

1   Francesca put six shapes into a bag. Her friends each took at shape at random and described their shape.

What shape could each child be talking about?

(a) 8 edges and 5 vertices

(f) My shape has 6 edges and 4 identical faces

(e) My shape has 6 vertices and 6 faces

(b) My shape has 6 identical faces

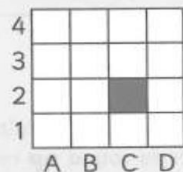(c) My shape has 6 identical faces

(d) My shape has 8 faces and 12 vertices

Angles, position and direction

Remember

An **ordered pair** is a pair of letters or numbers that defines a **position** on a grid.

The square is at C2.

Directions can be given to move on a grid using words such as: **up**, **down**, **across**, **left** and **right**.

An **angle** is an amount of turn, measured in **degrees**. A quarter turn is also called a **right angle** and is equal to 90°. A complete turn is 360°.
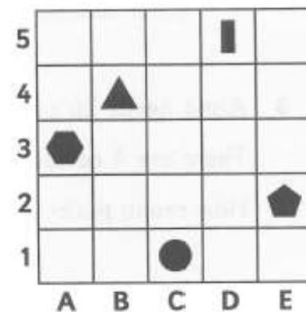
1 Here are some shapes on a square grid.

   What is the position of the triangle? _____

   What is the position of the rectangle? _____

   What is the position of the circle? _____

Here is a route on a grid of squares. Complete the table to describe the route from start to finish.

Start	
1	down 1 square
2	left 3 squares
3	
4	
5	
6	
7	
Finish	