



Deepen Activities

- 1 a) Start by facing a wall in your classroom.

Look at the instructions. Do you think you will end up facing the same wall at the end?

- Turn 2 right angles to the left.
- Turn 1 right angle to the right.
- Turn 3 right angles to the left.
- Turn 1 right angle to the right.
- Turn 3 right angles to the left.
- Turn 2 right angles to the right.
- Turn 3 right angles to the left.

I will think about how many right angles make a whole turn.



Now follow the instructions and see if you were correct.

- b) Make a set of instructions for a partner so they end up facing the opposite way to how they started.

- 2 a) Complete this table to show how many faces, edges and vertices each shape has.

Shape	Faces	Edges	Vertices
Square-based pyramid			
Triangle-based pyramid			
Cube			
Cuboid			
Triangular prism			
Hexagonal prism			

- b) What do you notice about the number of faces, edges and vertices?

- 3 a) How many different 3D shapes can you make using four interlocking cubes?

- b) Now try using five cubes. How many 3D shapes can you make?