Objective: TBAT name and draw 3D shapes

DIRT

☐ Met ☐ Partially Met ☐ Not Met

Work on the following sections: ☐ Column 1 ☐ Column 2 ☐ Extension

Column 1

Can you spot any mistakes below?

The names of five solid shapes are given.

triangular prism sphere cube cuboid cylinder

Three of them are drawn below.

A B C

Complete these statements.

Shape A is called a ..... Cube .....

Shape B is called a ..... Cylinder .....

Shape C is called a ..... Sphere .....

Column 2

Which shapes are being described below:

a) I have six faces, twelve vertices and twelve edges. All of my lengths are the same value.

b) My opposite faces are identical and I have two edges – however, I have no angles and no corners.

c) I have one flat face and one curved face. I have one edge and one vertex.

Draw a sketch of the following:

a) Cube

b) Square based pyramid

c) Hemisphere

Describe the following 3D shapes:

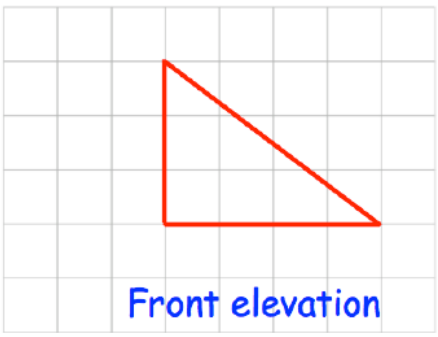
a) Hemisphere

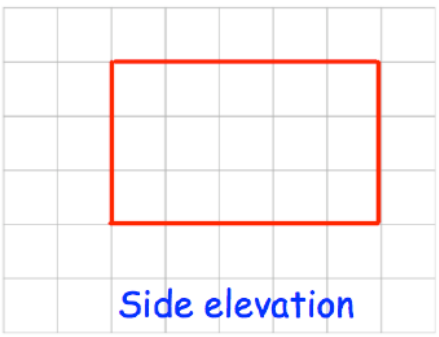
b) Square based pyramid

c) Triangular prism

Extension:

Here are the front and side elevations of a solid shape.





Draw the 3D solid that the front and side elevation is for.