

Name \_\_\_\_\_

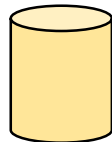
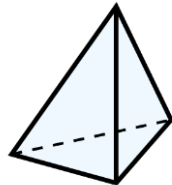
- 1 Match the three-dimensional shapes with their mathematical names.

Sphere

Cylinder

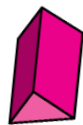
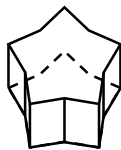
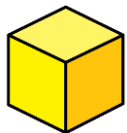
Cone

Tetrahedron



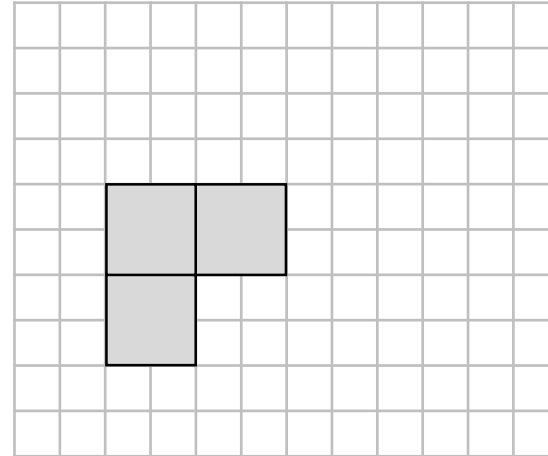
2 marks

- 2 Circle the shape that is **not** a prism.



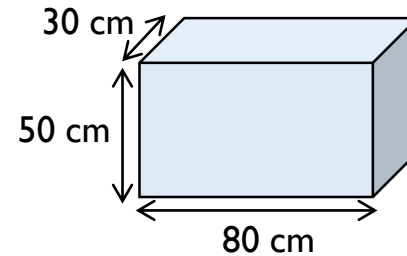
1 mark

- 3 Complete the diagram to show a net of a cube.



2 marks

- 4 1 litre = 1000 cm<sup>3</sup>.  
Find the volume of the cuboid in litres.

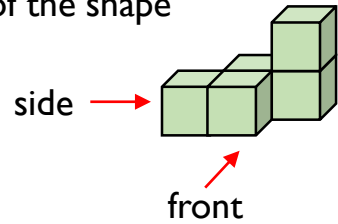


\_\_\_\_\_ litres



3 marks

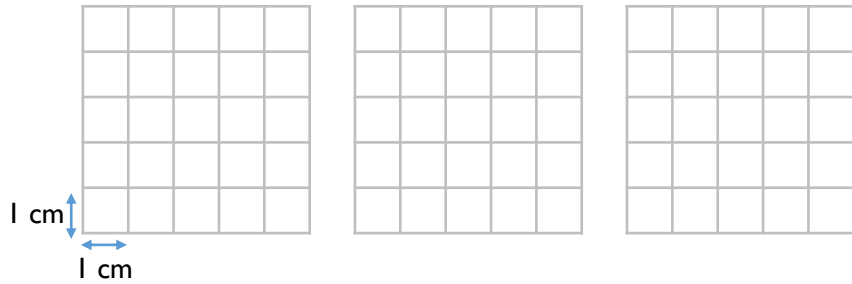
- 5 The diagram shows a three-dimensional shape made with five one-centimetre cubes. On the grids, draw the front elevation, side elevation and plan view of the shape



Front elevation

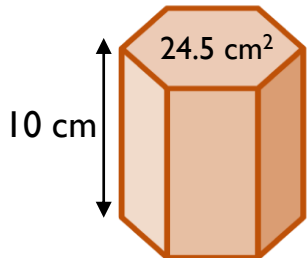
Side elevation

Plan view



3 marks

- 6 Find the volume of the prism. State the units with your answer.

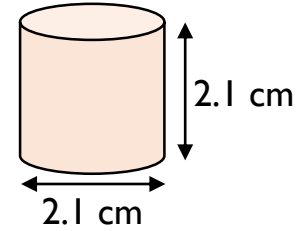
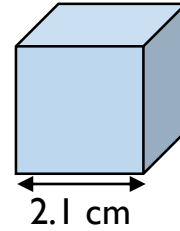


\_\_\_\_\_



2 marks

- 7 Which has the greater surface area, the cube or the cylinder? Show working to justify your answer.



\_\_\_\_\_



5 marks

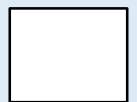
- 8 The volume of a sphere is given by the formula  $V = \frac{4}{3}\pi r^3$ . Find the volume of a sphere with diameter 7 cm.

\_\_\_\_\_ cm<sup>3</sup>



2 marks

Total marks



A