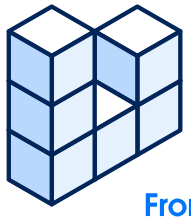
GCSE FOUNDATION · REVISION MAT 3

Plans and elevations

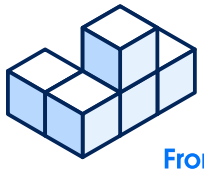
1 The solid is made from centimetre cubes.



Front

On the grid, draw the front elevation.

2 The solid is made from centimetre cubes.



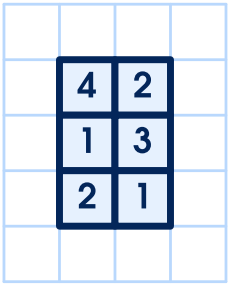
Front

On the grid, draw the plan view.

3 Dan says the plan view of a square-based pyramid is a triangle.

Explain why Dan is wrong.

4 The plan shows how many cubes are in each stack.

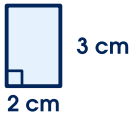


Show that the solid is made from 13 cubes.

5 Here are the front elevation, side elevation and plan of a cuboid.



Front



Side



Plan

Work out the volume of the cuboid.

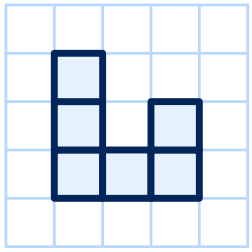
6 Here are the front elevation, side elevation and plan of a 3D shape.



Front Side Plan

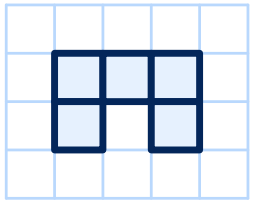
Name the 3D shape.

1



Seen from the front, each column is as tall as its tallest stack.

2



The plan is the view from directly above.

3 From directly above you would see **a square with its diagonals drawn**.

ANSWERS · REVISION MAT 3

Plans and elevations

4 4 + 2 + 1 + 3 + 2 + 1 = **13** ✓

5 Length 8 cm, width 2 cm, height 3 cm

8 × 2 × 3 = **48 cm^3**

6 **Cylinder**