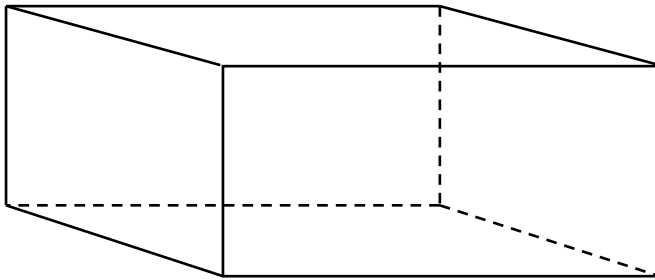


Exam-style questions

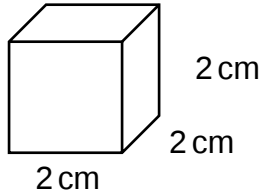
Here is a 3D shape.



Write down the name of this 3-D shape.

Write down the number of edges of this 3-D shape.

The diagram shows a cube of side length 2 cm.



Vera says, 'The volume of any solid made with 6 of these cubes is 48 cm³.'

Is Vera correct?

You must show your working.

The diagram shows a cube and a cuboid.

The total surface area of the cube is equal to the total surface area of the cuboid.



Janet says, 'The volume of the cube is equal to the volume of the cuboid.'

Is Janet correct?

You must show how you get your answer.

Jeremy has to cover 3 tanks completely with paint.

Each tank is in the shape of a cylinder with a top and a bottom. The tank has a diameter of 1.6 m and a height of 1.8 m.

Jeremy has 7 tins of paint.

Each tin of paint covers 5 m^2

Has Jeremy got enough paint to cover completely the 3 tanks? You must show how you get your answer.

