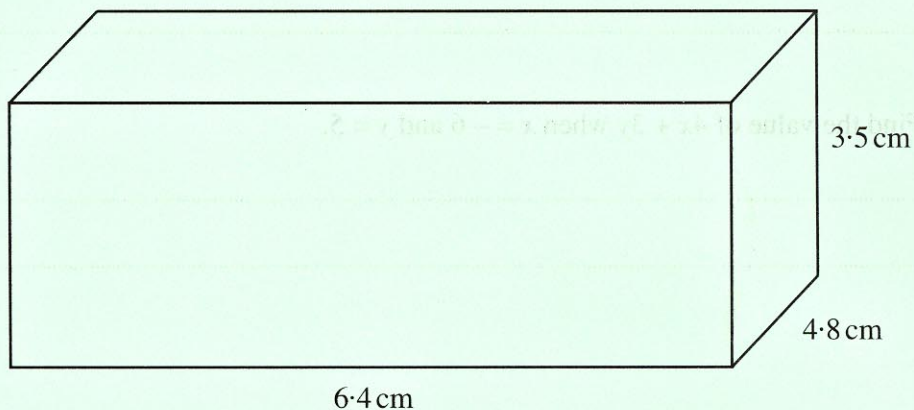


5. Calculate the volume of a cuboid measuring 25 cm by 20 cm by 7 cm.



5. (a) A solid cuboid measures 6.4 cm by 4.8 cm by 3.5 cm , as shown in the diagram. Calculate its volume, clearly stating the units of your answer.



- (b) Calculate the total surface area of the cuboid.

[3]

[2]

6.

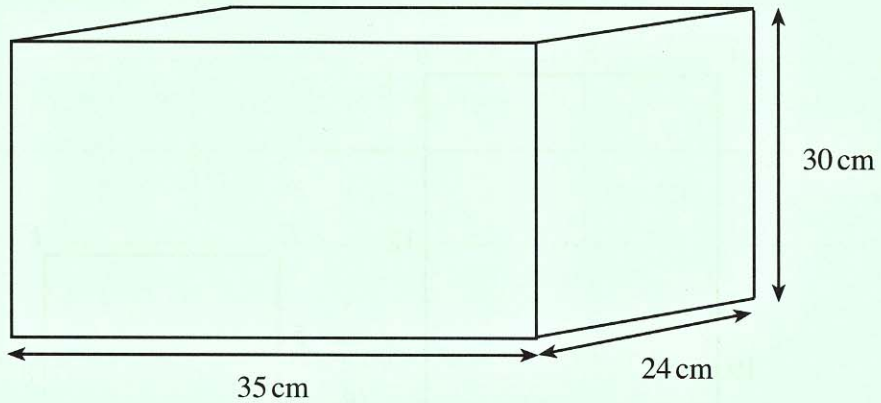


Diagram not drawn to scale.

A tank in the shape of a cuboid has a base measuring 35 cm by 24 cm and a height of 30 cm.

(a) Calculate the volume of the tank.



[2]

(b) Water is poured into the tank.
The volume of the water is 4200 cm^3 .
Calculate the depth of the water in the tank.

[2]

10.

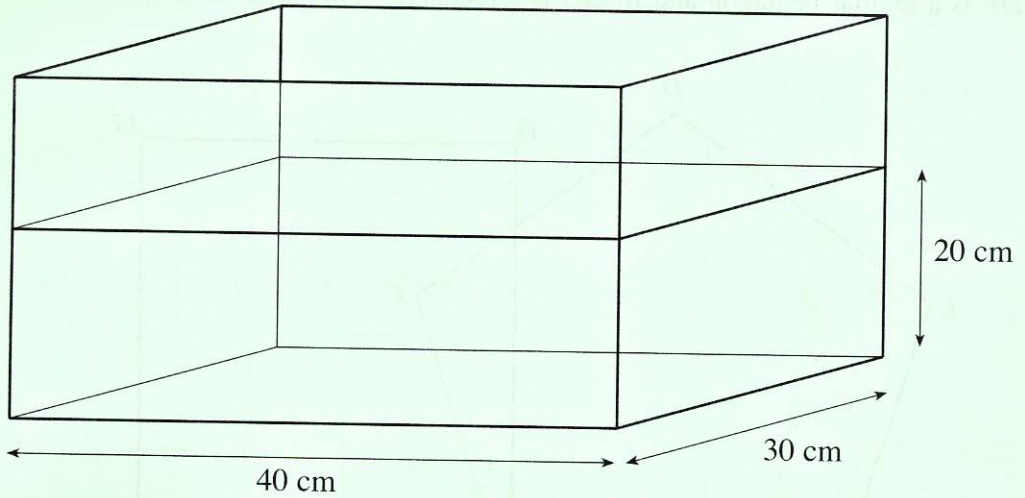


Diagram not drawn to scale.

A glass water tank, in the shape of a cuboid, has a base measuring 40 cm by 30 cm and contains water to a height of 20 cm.

- (a) Calculate the volume of water in the tank.

[2]

- (b) Calculate the area of the inside of the tank that is in contact with the water.

[2]

7. A water tank, in the shape of a cuboid, contains $56\,000\text{ cm}^3$ of water. The base of the tank measures 62 cm by 35 cm.

(a) Calculate the depth, in cm, of the water in the tank.



[2]

(b) Given that 1 gallon = 4.54 litres, calculate the number of gallons of water in the tank.

[2]