

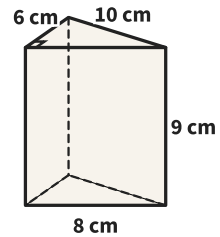
Volume of Prisms



1



This prism stands on one of its triangular ends. Work out its volume.



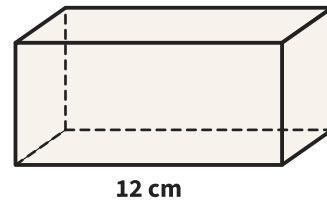
Not drawn accurately

Answer _____

2



Each end of this prism is a square with a perimeter of 22 cm. Work out the volume of the prism.



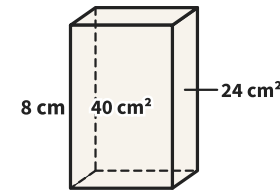
Not drawn accurately

Answer _____

3



This cuboid is 8 cm tall. Its front face has an area of 40 cm^2 and its end face has an area of 24 cm^2 . Work out its volume.



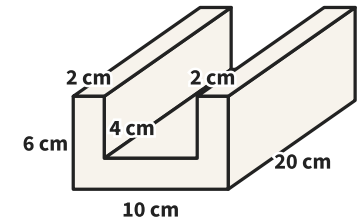
Not drawn accurately

Answer _____

4



A concrete channel is a prism with this cross section. Work out its volume.



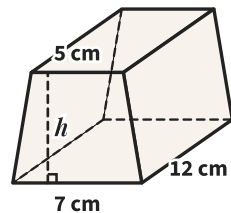
Not drawn accurately

Answer _____

5



The volume of this trapezium prism is 432 cm^3 . Work out the height h of the trapezium.



Not drawn accurately

Answer _____

6



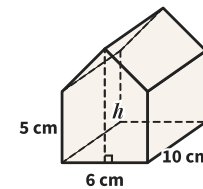
A planter is a triangular prism 90 cm long. Its ends are triangles with a base of 30 cm and a height of 20 cm, and it is full of soil. All the soil is tipped into an empty raised bed, a cuboid with a base 45 cm by 30 cm. How deep is the soil in the bed?

Answer _____

7



The volume of this prism is 390 cm^3 . Work out its height h .



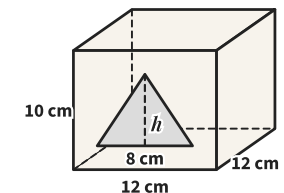
Not drawn accurately

Answer _____

8



A triangular tunnel goes right through this wooden block. The volume of wood left is 1152 cm^3 . Work out the height h of the triangle.



Not drawn accurately

Answer _____