

18.5.2020

LO: calculate the volume of 3D shapes

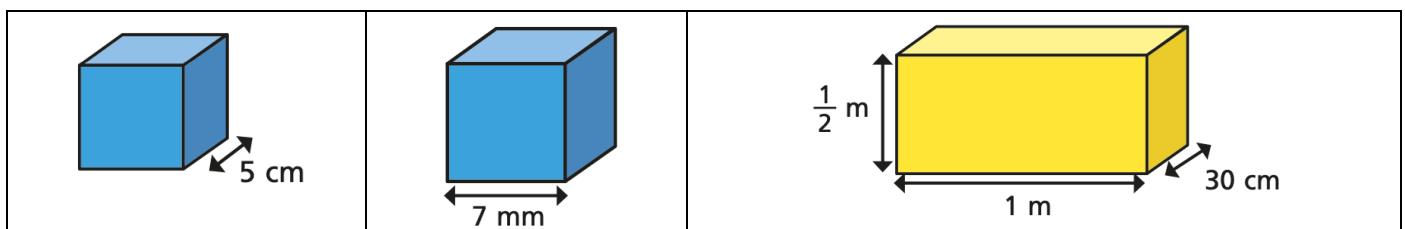
Volume is the space occupied up by a 3D object and is expressed using cubed (³) notation.

The volume of a cuboid can be found by multiplying length \times width \times height.

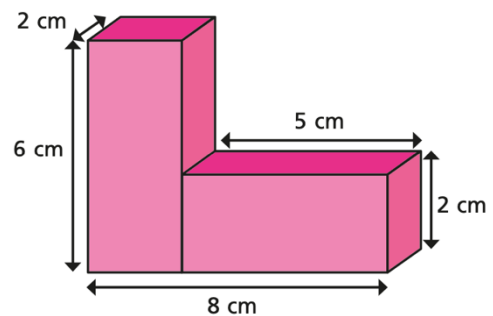
A) Calculate the volume of the following shapes.



B) Calculate the volume of the following cubes and cuboids.



C) Calculate the volume of the following shape.



D1) A cuboid has a total volume of 60cm^3 . Two of its dimensions are 6cm and 5cm. What is the third dimension?

D2) A rabbit digs a hole that is 30cm deep, 18cm wide and 12cm long. How much soil will a gardener need to fill this hole?

D3) A school sets out chairs in the hall to show a film. There are 12 rows and 8 chairs in each row. All the chairs are full and each person pays £5. How much money is collected?