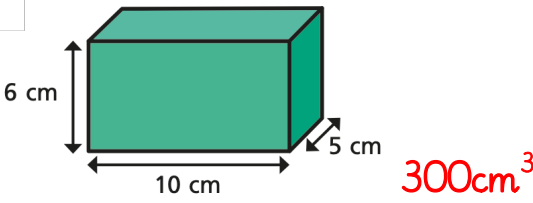
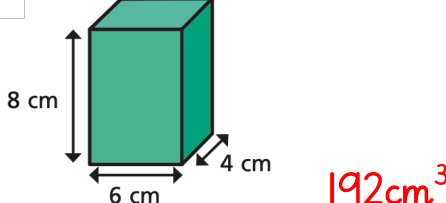
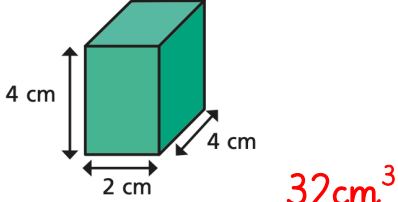
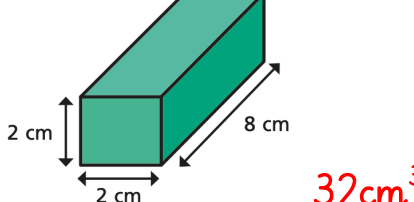


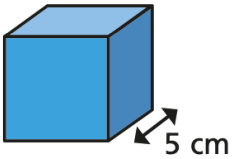
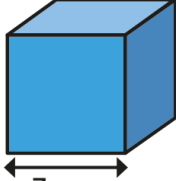
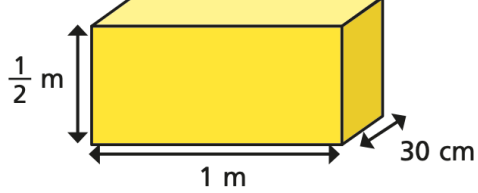
18.5.2020

LO: calculate the volume of 3D shapes

A) Calculate the volume of the following shapes.

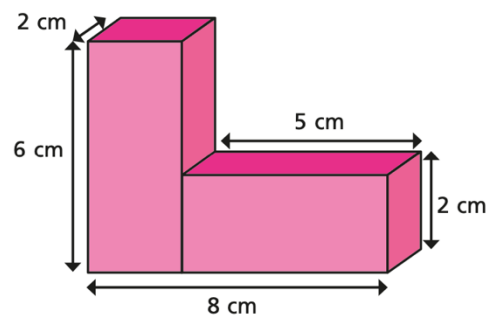
 <p>6 cm 10 cm 5 cm <math>300\text{cm}^3</math></p>	 <p>8 cm 6 cm 4 cm <math>192\text{cm}^3</math></p>
 <p>4 cm 2 cm 4 cm <math>32\text{cm}^3</math></p>	 <p>2 cm 2 cm 8 cm <math>32\text{cm}^3</math></p>

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

 <p>5 cm <math>125\text{cm}^3</math></p>	 <p>7 mm <math>343\text{mm}^3</math></p>	 <p><math>\frac{1}{2}</math> m 1 m 30 cm <math>150,000\text{cm}^3</math> or <math>0.15\text{m}^3</math> <i>Bonus Dojo points if you can explain why the <math>\text{cm}^3</math> number is so much bigger than the <math>\text{m}^3</math> number!</i></p>
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C) Calculate the volume of the following shape.

$56\text{cm}^3$



D1) A cuboid has a total volume of  $60\text{cm}^3$ . Two of its dimensions are 6cm and 5cm. What is the third dimension?  $2\text{cm}$

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?  $6,480\text{cm}^3$

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?  $£480$