

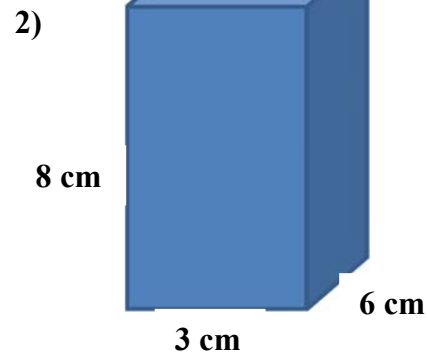
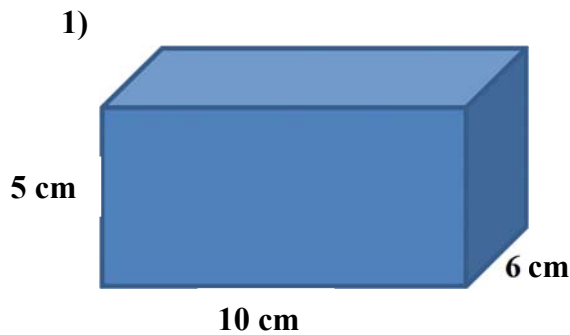
# REVISION # 3 – Answers

## Unit # 12 – Volume (Sec: A, B, & C)

### A) Fill In The Blanks

1. The volume of a solid is the amount of space it occupied.
2. Volume of a cube = side x side x side .
3. Volume of a cuboid = length x breadth x height.

### B) Find the Volume:



<p><b>1</b></p> <p>volume = length x breadth x height            volume = l x b x h                      = 10cm x 6cm x 5cm                      = 60 x 5            60 x 5 = 300            Volume = 300cm<sup>3</sup></p>	<p><b>2</b></p> <p>volume = length x breadth x height            volume = l x b x h                      = 3cm x 6cm x 8cm                      = 18 x 8            18 x 8 = 144            Volume = 144cm<sup>3</sup></p>
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### C) Word problem:

- 1) A rectangular tank measuring 30cm by 40cm by 20cm is 1/3 filled with soil. Find the volume of the soil in cubic centimetres.

<p><b>Volume of rectangular tank = length x breadth x height</b>            l x b x h = 30cm x 40cm x 20cm                      = 1200 x 20cm<sup>3</sup>            Volume = 24000cm<sup>3</sup></p> <p><b>Volume of soil = 1/3 of 24000cm<sup>3</sup></b>            = 1/3 x 24000            = 24000 ÷ 3  <b>Volume of soil = 8000cm<sup>3</sup></b></p>
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