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1) A metallic cube with side 15 cm is melted and formed into a cuboid. If the length and height of the cuboid is 25 cm and 9 cm respectively then find the breadth of the cuboid.

2) Find the volume of a cube whose each side measures:
   a) 1.1 units
   b) 4.7 units

3) Each side of a dice measures 8 mm. Calculate the volume of dice.

4) Find the missing term.
   Volume of cube = cubic units

5) How many cubes of 7 cm are equivalent in volume to a 14 cm cube?
   a) 2
   b) 4
   c) 8
   d) None of the above

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6) Find which of the following shapes has greater volume if volume of each block is 2 cubic units.

(i) 

(ii) 

7) Fill in the blank:
Volume of a cube of the side 11 m is _____.
   a) $121 \, m^3$
   b) $1331 \, m^3$
   c) $33 \, m^3$
   d) None of the above

8) Each side of a cubical deep freezer measures 2.45 ft. Find the volume.

9) A cuboid is 17 in long, 5 cm broad, and 2 cm high and a cube has an edge of 8 cm. Which one has a greater volume?

10) Complete the given table:

<table>
<thead>
<tr>
<th>Edge of Cube</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.7 in</td>
<td>(i) 4.9 , in$^3$</td>
</tr>
<tr>
<td>2. _____ in</td>
<td>(ii) 1728 , in$^3$</td>
</tr>
<tr>
<td>3.15 in</td>
<td>(iii) _____ , in$^3$</td>
</tr>
</tbody>
</table>
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<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1)</td>
<td>15 cm</td>
</tr>
<tr>
<td>2)</td>
<td>a) 1.331 cubic units b) 103.823 cubic units</td>
</tr>
<tr>
<td>3)</td>
<td>512 mm$^3$</td>
</tr>
<tr>
<td>4)</td>
<td>3</td>
</tr>
<tr>
<td>5)</td>
<td>c)</td>
</tr>
<tr>
<td>6)</td>
<td>(i) has greater volume.</td>
</tr>
<tr>
<td>7)</td>
<td>b)</td>
</tr>
<tr>
<td>8)</td>
<td>14.706 ft$^3$</td>
</tr>
<tr>
<td>9)</td>
<td>The given cube has higher volume.</td>
</tr>
<tr>
<td>10)</td>
<td>i) 4.913 2.12 iii) 3375</td>
</tr>
</tbody>
</table>
1. 11 different ‘nets’ can be made by folding out the 6 square faces of a cube.

2. A square is in many ways like a cube, only in two dimensions rather than three.

3. A cube features all right angles and a height, width and depth that are all equal.