**Volume of 3D shapes - basics**

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| **1)** The solid shape shown below is made from cubes of side one centimetre. Find the volume of the solid.   http://www.mathster.com/course/simgs/85162720544_1.png | [1] |
| **2)** Find the volume of the cuboid, given that the area of the base is 32   and the height is 3 cm   http://www.mathster.com/course/simgs/85162720544_2.png | [1] |
| **3)** Find the volume of the cuboid   http://www.mathster.com/course/simgs/85162720544_3.png | [1] |
| **4)** A cube has a length of 35 cm. Find its volume. | [1] |
| **5)** Find the missing dimension, given that the volume of the cuboid is 160     http://www.mathster.com/course/simgs/85162720544_4.png | [1] |
| **6)** Find its length, given that the volume of a cube is 19683 | [1] |
| **7)** Find the volume of the triangular prism, given that the cross-sectional area is 3   and the length is 12 cm          http://www.mathster.com/course/simgs/85162720544_5.png | [1] |
| **8)** Find the volume of the triangular prism          http://www.mathster.com/course/simgs/85162720544_6.png | [1] |
| **9)** Find the volume of the cylinder, rounding your answer to 3 significant figures   http://www.mathster.com/course/simgs/85162720544_7.png | [1] |
| **10)** Find the volume of the trapezoidal prism   http://www.mathster.com/course/simgs/85162720544_8.png | [1] |

**Solutions for the assessment Volume of 3D shapes - basics**

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| **1)** Volume = 75 | **2)** Volume = 96 |
| **3)** Volume = 300 | **4)** Volume = 42875 |
| **5)**   = 2 cm | **6)** Length = 27 cm |
| **7)** Volume = 36 | **8)** Volume = 45 |
| **9)** 4020 | **10)** Volume = 110 |