**Surface Area and Volume of 3D shapes - non prism**

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| **1)** Find the volume and surface area of the cube   http://www.mathster.com/course/simgs/13214907972_1.png | [1] |
| **2)** Find the volume and surface area of the cuboid   http://www.mathster.com/course/simgs/13214907972_2.png | [1] |
| **3)** Find the volume and surface area of the cylinder, rounding your answers to 3 significant figures   http://www.mathster.com/course/simgs/13214907972_3.png | [1] |
| **4)** Find the volume and surface area of the sphere, rounding your answers to 3 significant figures   http://www.mathster.com/course/simgs/13214907972_4.png | [1] |
| **5)** Find the volume and surface area of the solid cone, rounding your answers to 3 significant figures.        http://www.mathster.com/course/simgs/13214907972_5.png | [1] |
| **6)** Find the volume of a cube, given that its surface area is 600 | [1] |
| **7)** Find the surface area of a cube, given that its volume is 729 | [1] |
| **8)** Find the volume of a sphere, given that its surface area is 530  , rounding your answer to 3 significant figures | [1] |
| **9)** Find the surface area of a sphere, given that its volume is 110  , rounding your answer to 3 significant figures | [1] |

**Solutions for the assessment Surface Area and Volume of 3D shapes - non prism**

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| **1)** Volume = 1000  , Surface area = 600 | **2)** Volume = 270  , Surface area = 294 |
| **3)** Volume = 1570  , Surface area = 785 | **4)** Volume = 524  , Surface area = 314 |
| **5)** Volume = 20.9  , Surface area = 46.4 | **6)** Volume = 1000 |
| **7)** Surface area = 486 | **8)** Volume = 1150 |
| **9)** Surface area = 111 |  |