**Surface Area of 3D Shapes - Prisms**

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| **1)** Find the surface area of the cubehttp://www.mathster.com/course/simgs/49922959798_1.png       | [1]   |
| **2)** Find the surface area of the cuboidhttp://www.mathster.com/course/simgs/49922959798_2.png       | [1]   |
| **3)** Find the surface area of the triangular prismhttp://www.mathster.com/course/simgs/49922959798_3.png       | [1]   |
| **4)** Find the surface area of the cylinder, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/49922959798_4.png      | [1]   |
| **5)** A cube has sides of length 23 cm. Find its surface area.       | [1]   |
| **6)** A cube has a surface area of 5766  $cm^{2}$. Find its length.       | [1]   |
| **7)** A cuboid has length, width and height of 4 cm, 6 cm and 9 cm, respectively. Find its surface area.       | [1]   |
| **8)** A triangular prism has a length of 15 cm. Its cross-section is an equilateral triangle which has sides of length 3 cm. Find the surface area of the triangular prism, rounding your answer to 3 significant figures.       | [1]   |
| **9)** A solid cylinder has a radius of 3 cm and a length 5 cm. Find its surface area, rounding your answer to 3 significant figures       | [1]   |

**Solutions for the assessment Surface Area of 3D Shapes - Prisms**

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| **1)** Surface area = 13254  $cm^{2}$ | **2)** Surface area = 280  $cm^{2}$ |
| **3)** Surface area = 156  $cm^{2}$ | **4)** Surface area = 126  $cm^{2}$ |
| **5)** Surface area = 3174  $cm^{2}$ | **6)** Length = 31 cm |
| **7)** Surface area = 228  $cm^{2}$ | **8)** Surface area = 143  $cm^{2}$ |
| **9)** Surface area = 151  $cm^{2}$ |  |