

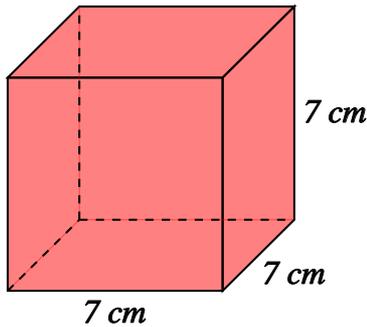
Surface Area of 3D Shapes - advanced

Name: _____ Class: _____ Date: _____

Mark / 8 %

1) Find the surface area of the cube

[1]



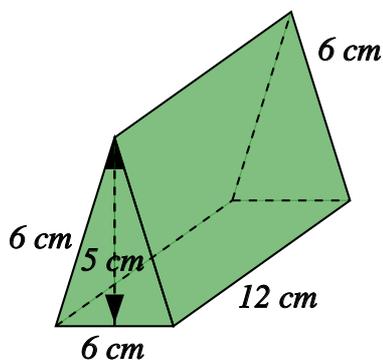
2) A cuboid has length, width and height of 4 cm, 10 cm and 6 cm, respectively. Find its surface area. [1]

3) A cube has a surface area of 294 cm^2 . Find its length. [1]

[1]

4) Find the surface area of the triangular prism

[1]

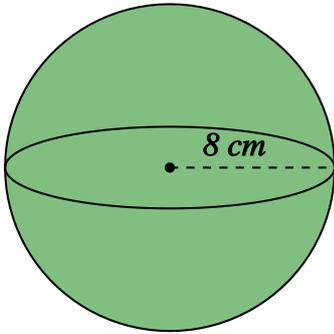


5) A solid cylinder has a radius of 3 cm. Find its surface area, rounding your answer to 3 significant figures

[1]

6) Find the surface area of the sphere, rounding your answer to 3 significant figures

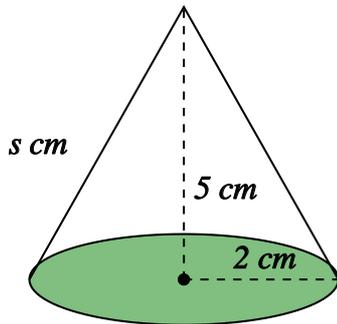
[1]



7) A sphere has a surface area of 1020 cm^2 . Find its radius, rounding your answer to 3 significant figures.

[1]

8) Find the slant height, s , and the surface area of the solid cone, rounding your answer to 3 significant figures



[1]

Solutions for the assessment Surface Area of 3D Shapes - advanced

1) Surface area = 294 cm^2

2) Surface area = 248 cm^2

3) Length = 7 cm

4) Surface area = 246 cm^2

5) Surface area = 151 cm^2

6) Surface area = 804 cm^2

7) Radius = 9.01 cm

8) Slant height = 5.39 cm , Surface area = 46.4 cm^2