

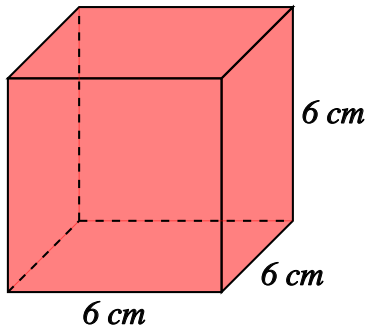
Surface Area and Volume of 3D shapes - advanced

Name:	Class:	Date:
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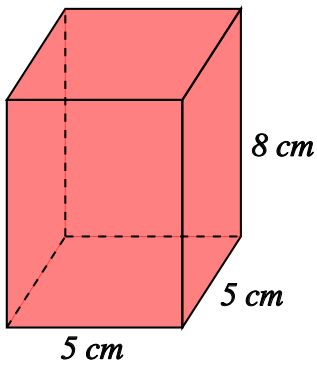
1) Find the volume and surface area of the cube

[1]

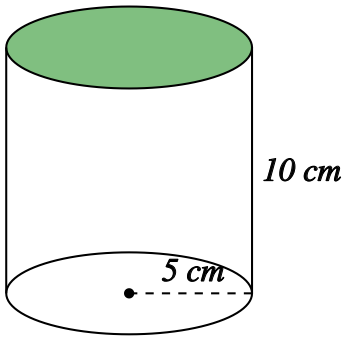


2) Find the volume and surface area of the cuboid

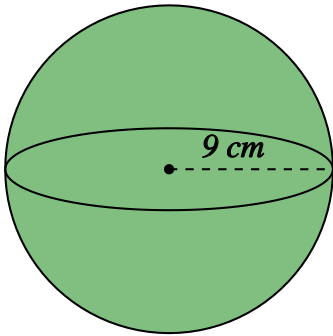
[1]



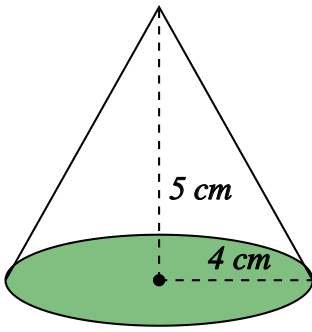
3) Find the volume and surface area of the cylinder, rounding your answers to 3 significant figures [1]



4) Find the volume and surface area of the sphere, rounding your answers to 3 significant figures [1]



5) Find the volume and surface area of the solid cone, rounding your answers to 3 significant figures [1]



6) Find the volume of a cube, given that its surface area is 384 cm^2 [1]

7) Find the surface area of a cube, given that its volume is 512 cm^3 [1]

8) Find the volume of a sphere, given that its surface area is 600 cm^2 , rounding your answer to 3 significant figures

9) Find the surface area of a sphere, given that its volume is 540 cm^3 , rounding your answer to 3 significant figures

[1]

[1]

Solutions for the assessment Surface Area and Volume of 3D shapes - advanced

1) Volume = 216 cm^3 , Surface area = 216 cm^2

2) Volume = 200 cm^3 , Surface area = 210 cm^2

3) Volume = 785 cm^3 , Surface area = 471 cm^2

4) Volume = 3050 cm^3 , Surface area = 1020 cm^2

5) Volume = 131 cm^3 , Surface area = 83.8 cm^2

6) Volume = 512 cm^3

7) Surface area = 384 cm^2

8) Volume = 1380 cm^3

9) Surface area = 321 cm^2