

Surface Area and Volume - Revision Sheet

1. For each of the following shapes, draw a sketch showing the measurements, then find the surface area and volume.
 - (a) A rectangular prism 20 cm by 15 cm by 8 cm.

 - (b) A cylindrical tin of fruit with a diameter of 10 cm and a height of 15 cm

 - (c) A square-based pyramid with a base area of 64 m^2 and a height of 6 m

 - (d) A conical piece of plastic with a base radius of 3 cm and a height of 4 cm

 - (e) A sphere with a diameter of 0.4 m

2. For each of the following shapes, draw a sketch showing the measurements, then find the surface area and volume.

(f) A container in the shape of a rectangular prism 10 m by 3 m by 2 m.

(g) A cylindrical tin of fruit with a diameter of 12 cm and a height of 14 cm

(h) A square-based pyramid with a base area of 100 cm^2 and a height of 4.5 cm

(i) A sphere with a diameter of 0.3 m