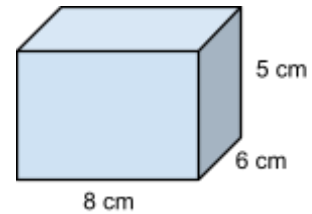# Quick Test Density
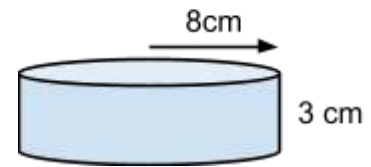
1. The diagram shows a solid cuboid made of wood.
The wood has a density of 0.56 grams per cm cubed.
Calculate the mass of the cuboid.

5 cm
6 cm
8 cm

2. The density of gold is 19.4 grams per cm cubed.
A gold ingot is produced in the shape of a cuboid.
The cuboid has length 20cm, width 8cm, height 2cm.
Work out the mass of the gold ingot.
Give your answer in kilograms

3. A solid cylinder is made of wood.
It has a radius of 8cm and a height of 3cm
The cylinder has a mass of 392 grams
Work out the density of the wood

Give your answer correct to 2 significant figures.

4. Seawater has a density of 1.02g/cm^3.
255g of seawater mixes with some freshwater, to form coastal water.
The coastal water has a mass of 304.5g, and a density of 1.015g/cm^3 .
Find the density of the freshwater.