Understanding and Using Area

The area is the space inside a shape. It is measured in square metres (m²) or square millimetres (mm²).

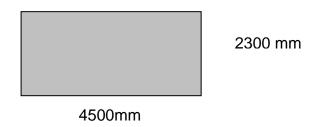
Work out the areas of the following shapes. The first one has been done for you.

Example 1

Find the area of the rectangle below in m².

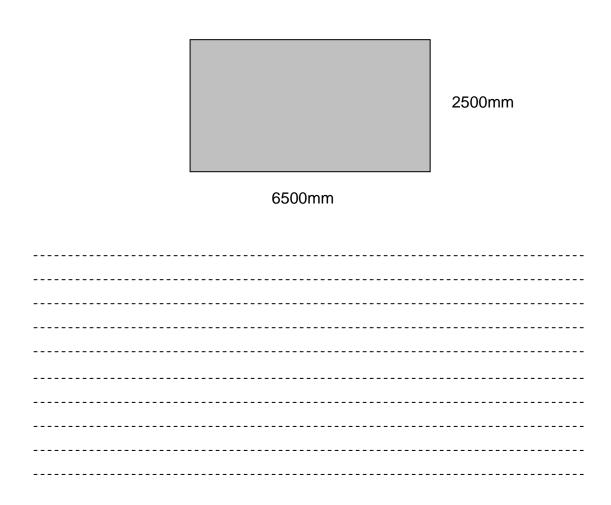
The area of a rectangle can be found by multiplying its length by its width.

First change its length and width into metres, and then multiply them together.



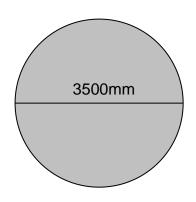
Area = Length X Width = 4.5 m X 2.3 m= 10.35 m^2

Practice Question 1



Example 2

The radius is half the diameter.



$$\Pi = 3.142$$

Radius =
$$3500 \div 2$$

= 1750 mm

Area =
$$\prod r^2$$

$$= \prod X1.750^2$$

$$= \prod X 3.0625 \text{ m}^2$$

$$= 9.621 \text{ m}^2$$

Practice Question 2

