L.O. Using our knowledge of area to solve problems.

Below, you will find descriptions of different squares and rectangles. Only measurements are given for one or two of the sides, but this gives you enough information to be able to calculate the area.

Area of a rectangle = length x width

I will work through question one to show you…….

1) A rectangle measuring 7cm by 4cm would look like this:

7cm

4cm

The area of this rectangle:

7cm x 4cm = 28cm²

Can you calculate the area of each of the following shapes in the same way?

Please take care that you use the correct units, either: **cm²** or **mm²** or **m²**

1) A rectangle measuring 7cm by 4cm.   Area = _____ square cm

2) A square with side 6cm.   Area = _____ square cm

3) A rectangle with sides 5mm and 8mm.   Area = _____ square mm

4) A square with sides of 9cm   Area = _____ square cm

5) A rectangle with sides 9cm and 7cm.   Area = _____ square cm

6) A rectangle with sides 3cm and 40cm.   Area = _____ square cm

7) A square with side 7cm   Area = _____ square cm

8) A square with sides of 20m   Area = _____ square m

9) A rectangle with sides 2cm and 3½cm   Area = _____ square cm

10) A rectangle with sides 4cm and 0.3cm   Area = _____ square cm

11) A rectangle with sides 5m and 1.5m   Area = _____ square m

12) A rectangle with sides 1.2m and 2m   Area = _____ square m

13) A square with sides 40m   Area = _____ square m

14) A rectangle with sides 4cm and 25mm Area = _____ square cm

15) A rectangle with sides 40m and 7m   Area = _____ square m

AREA SHEET 4 ANSWERS

1) A rectangle measuring 7cm by 4cm.   Area = 28 square cm

2) A square with side 6cm.   Area = 36 square cm

3) A rectangle with sides 5mm and 8mm.   Area = 40 square mm

4) A square with sides of 9cm   Area = 81 square cm

5) A rectangle with sides 9cm and 7cm.   Area = 63 square cm

6) A rectangle with sides 3cm and 40cm.   Area = 120 square cm

7) A square with side 7cm   Area = 49 square cm

8) A square with sides of 20m   Area = 400 square m

9) A rectangle with sides 2cm and 3½cm   Area = 7 square cm

10) A rectangle with sides 4cm and 0.3cm   Area = 1.2 square cm

11) A rectangle with sides 5m and 1.5m   Area = 7.5 square m

12) A rectangle with sides 1.2m and 2m   Area = 2.4 square m

13) A square with sides 40m   Area = 1600 square m

14) A rectangle with sides 4cm and 25mm   Area = 10 square cm

15) A rectangle with sides 40m and 7m   Area = 280 square m