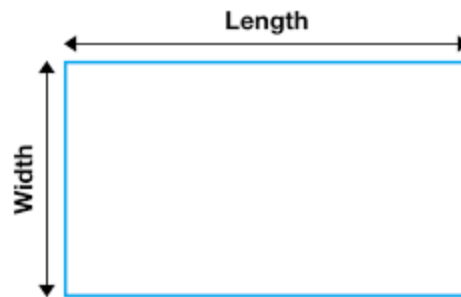


## Calculating the area of shapes.

Remember area is always found by splitting an area into squares. However, we cannot always see the squares in a shape. Think about the room you are in now. If you needed to get a new carpet on the floor, the carpenter would measure the area of the floor by finding the length of the floor. Then the width of the floor, then multiplying (x) those numbers together.



1 - Therefore, area is the Length of a shape x the Width of a shape.

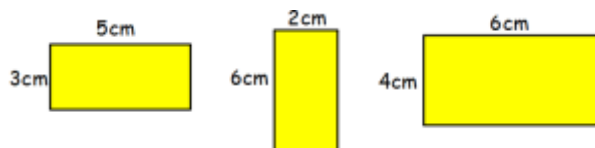
$$\text{Length} \times \text{Width}$$

Watch this video to help you understand the area:

<https://www.youtube.com/watch?v=CgqgY7a630Q>

So as we have been practising multiplying numbers, we should now be able to find the area confidently when we times the length by the width.

Have a go at finding the area of these rectangles:



2 - Work out the area of these shapes and write down the area using  $\text{cm}^2$  at the end.

When you are calculating the area of a shape it is important to remember that you need to write the correct unit (cm, mm, m etc.) so look carefully at each question.

As well as this, you need to remember that although this lesson is not about counting squares, area is always measured in squares. Therefore, you need to write that small **2** next to the units to show that you have multiplied the Length and the Width together. 2 measurements = small **2**.

Now complete the worksheet on calculating the area of rectangles by multiplying the length times the width.