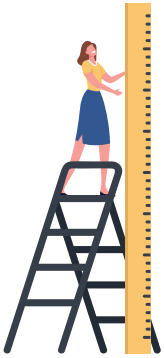


Areas of Rectangles



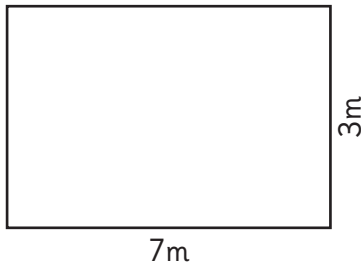
Area is calculated in square units.

If a rectangle is measured in centimetres, its area is measured in square centimetres, written like this: **cm²**.

We can also measure lengths in mm, m and km. If we measure a rectangular area in these units, we write the area in **mm²** or **m²** or **km²**.

1. Which unit of area would you use to measure these rectangles?

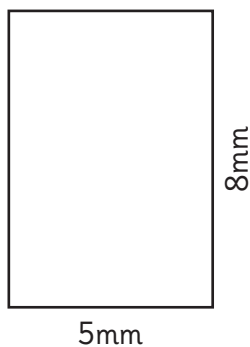
a.



The area of this rectangle should be measured in

.....

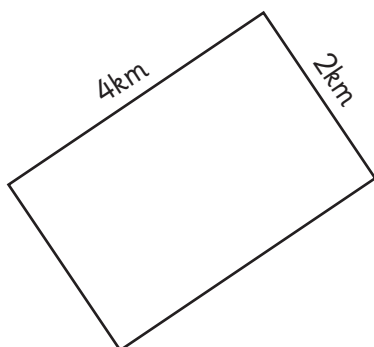
b.



The area of this rectangle should be measured in

.....

c.



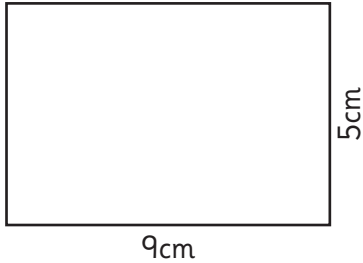
The area of this rectangle should be measured in

.....

Areas of Rectangles

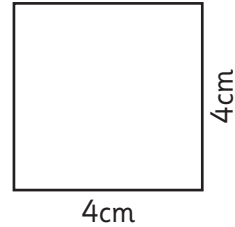
2. Work out the areas of the shapes below.

a.



..... cm²

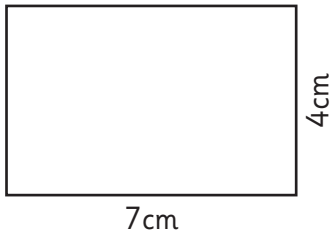
b.



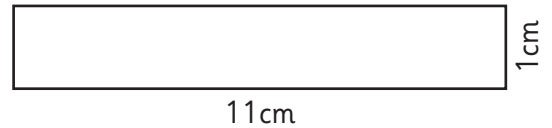
..... cm²

3. Compare the area of the shapes. Put the sign $<$, $>$ or $=$ between the shapes.

a.



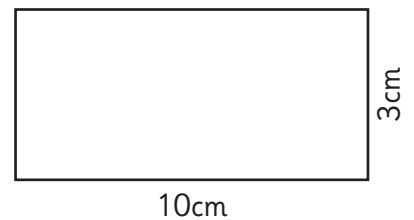
.....



b.



.....



4. Ben is putting a new carpet in his living room. The living room measures 8m by 6m. How many square metres of carpet will Ben need?



..... m²

Areas of Rectangles

5. Harry's kitchen measures 5m by 7m. What is the area of his kitchen?



.....

6. If one side of a square is 6cm, what is its area?

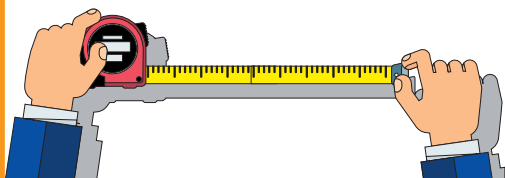
.....

7. If the sides of a rectangle are 15cm and 9cm, what is its area?

.....

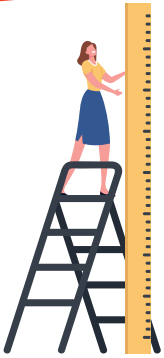
8. A rectangle has an area of 75cm^2 . It is 25cm long. How wide is it?

.....



Areas of Rectangles

Answers



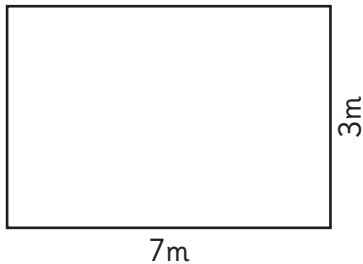
Area is calculated in square units.

If a rectangle is measured in centimetres, its area is measured in square centimetres, written like this: **cm²**.

We can also measure lengths in mm, m and km. If we measure a rectangular area in these units, we write the area in **mm²** or **m²** or **km²**.

1. Which unit of area would you use to measure these rectangles?

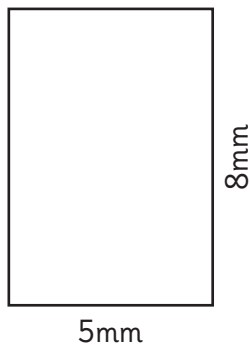
a.



The area of this rectangle should be measured in

.....**m²**.....

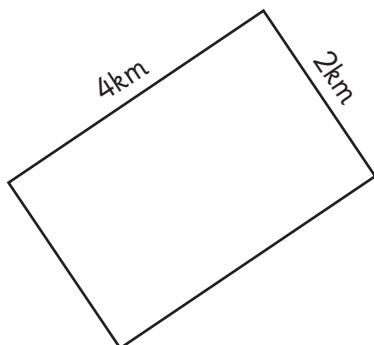
b.



The area of this rectangle should be measured in

.....**mm²**.....

c.



The area of this rectangle should be measured in

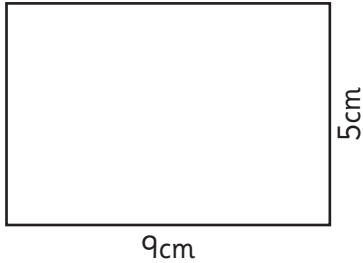
.....**km²**.....

Areas of Rectangles

Answers

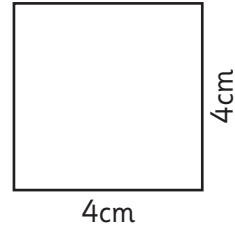
2. Work out the areas of the shapes below.

a.



..... **45** cm^2

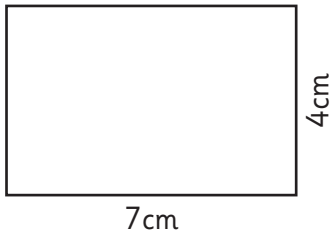
b.



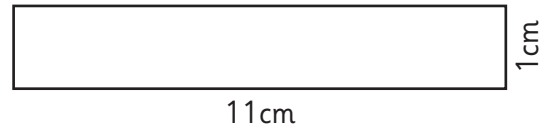
..... **16** cm^2

3. Compare the area of the shapes. Put the sign $<$, $>$ or $=$ between the shapes.

a.



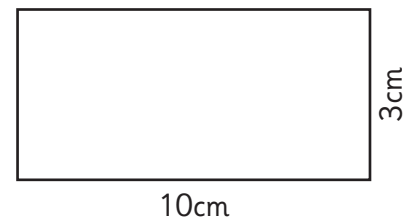
..... **>**



b.



..... **<**



4. Ben is putting a new carpet in his living room. The living room measures 8m by 6m. How many square metres of carpet will Ben need?



..... **48** m^2

Areas of Rectangles

Answers

5. Harry's kitchen measures 5m by 7m. What is the area of his kitchen?



..... 35m^2

6. If one side of a square is 6cm, what is its area?

..... 36cm^2

7. If the sides of a rectangle are 15cm and 9cm, what is its area?

..... 135cm^2

8. A rectangle has an area of 75cm^2 . It is 25cm long. How wide is it?

..... 3cm

