



Summer week 5 Lesson 1 – 18.05.20

LO: To calculate the area of rectangles.

Success Criteria:

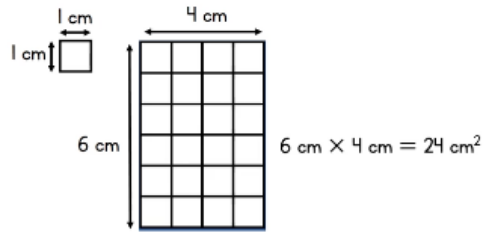
- | |
|---|
| 1. First find the width of your rectangle. |
| 2. Now find the length of the rectangle |
| 3. Now calculate length x width |
| 4. Remember your units for area are cm ² |

Model

Area of rectangles

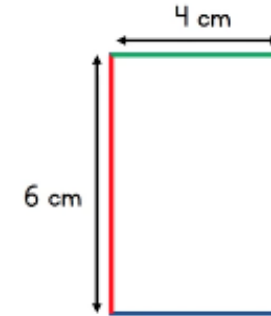


Area is the space inside a flat 2-D shape (it can also be the surface of a 3-D object too)



What is the area of the rectangle?

The area of the rectangle is 24 cm²

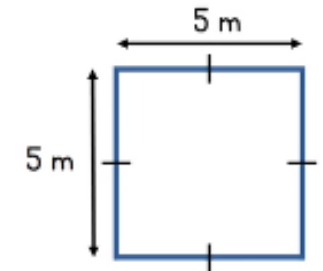
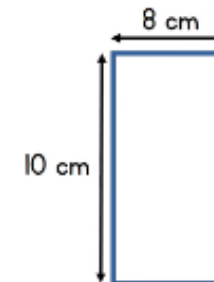
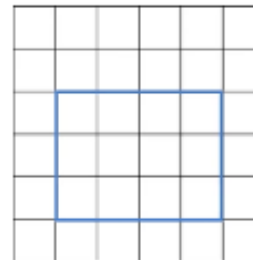
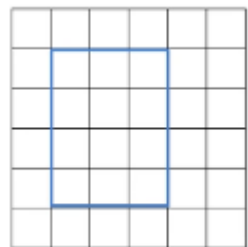
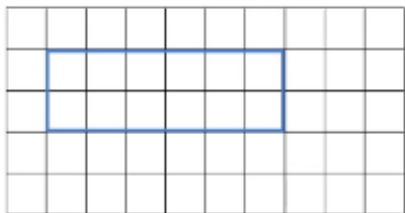


The formula for the area of a rectangle

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

$$6 \text{ cm} \times 4 \text{ cm} = 24 \text{ cm}^2$$

Now find these areas:



Make up some of your own.

Year 5 Maths

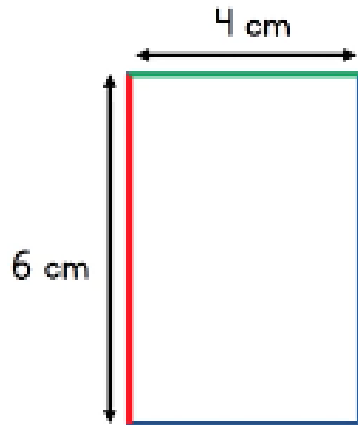
Summer week 5 Lesson 1 – 18.05.20

LO: To calculate the area of rectangles.

Success Criteria:

1. First find the width of your rectangle.
2. Now find the length of the rectangle
3. Now calculate length x width
4. Remember your units for area are cm ²

Model:



The formula for the area of a rectangle

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

$$6 \text{ cm} \times 4 \text{ cm} = 24 \text{ cm}^2$$

Which rectangle has the greatest area?

8 cm × 3 cm = 24 cm²

4 cm × 6 cm = 24 cm²

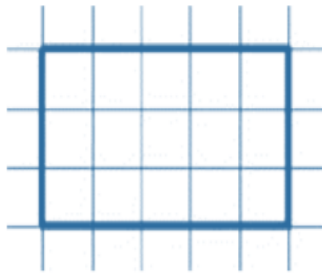
1 cm × 24 cm = 24 cm²

24 cm

Canonbury Home Learning
Year 5 Maths
Summer week 5 Lesson 1 – 19.05.20

What is the area of this shape if:

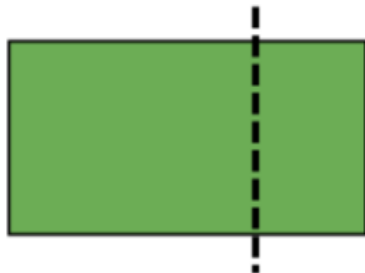
- each square is 2 cm in length?
- each square is 3.5 cm in length?



True or False?

If you cut off a piece from a shape, you reduce its area and perimeter.

Draw 2 examples to prove your thinking.



Each orange square has an area of 24 cm^2 .
Calculate the total orange area.
Calculate the blue area.
Calculate the green area.
What is the total area of the whole shape?

Rectangle A: 6.8 cm (width), 3.4 cm (height)
Rectangle B: 7.75 cm (width), 7.75 cm (height)
Rectangle C: 2.8 cm (width), 19.1 cm (height)

Estimate the area of each shape and then order from largest to smallest.

Mo buys a house with a small back garden, which has an area of 12 m^2 .

His house lies in a row of terraces, all identical.

If there are 15 terraced houses altogether, what is the total area of the garden space?