Canonbury Home Learning

Year 5 Maths

Steppingstone activity

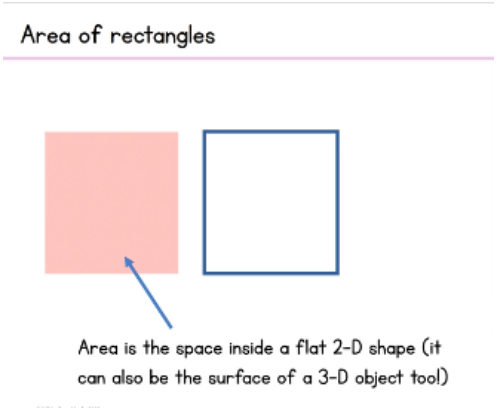
Summer week 5 Lesson 1 – 18.05.20

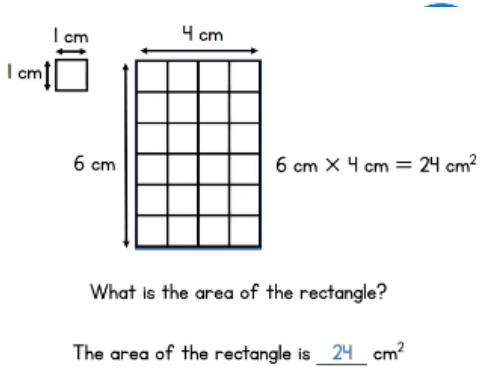
LO: To calculate the area of rectangles.

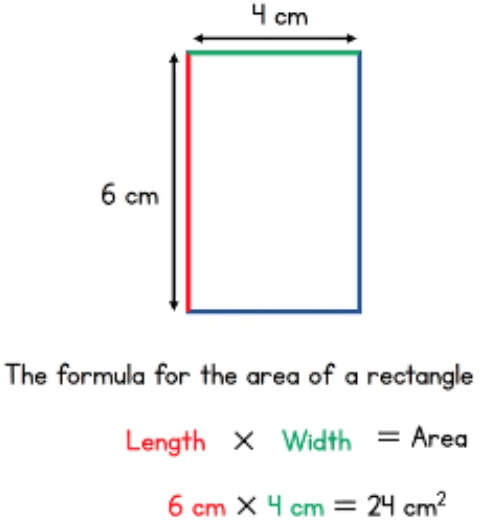
Success Criteria:

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

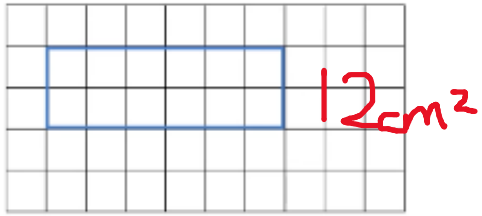
Model

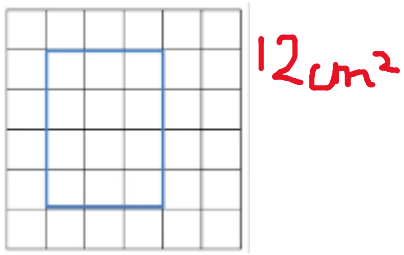


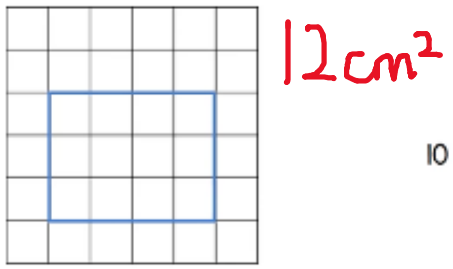


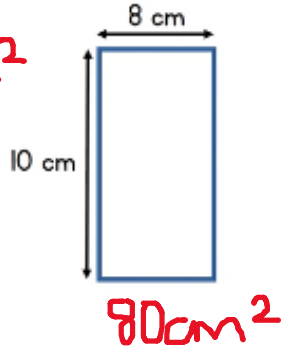


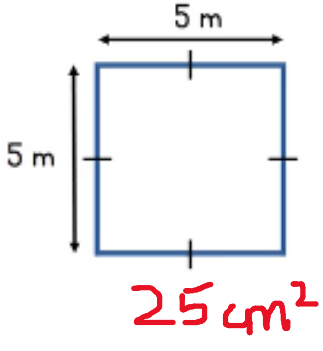
Now find these areas:











Make up some of your own.

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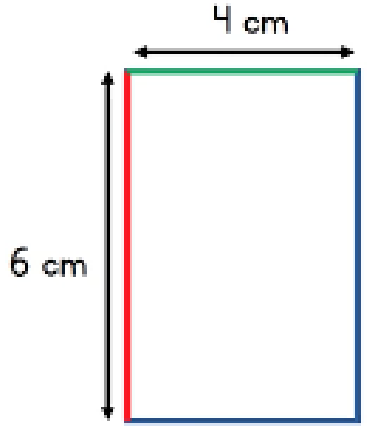
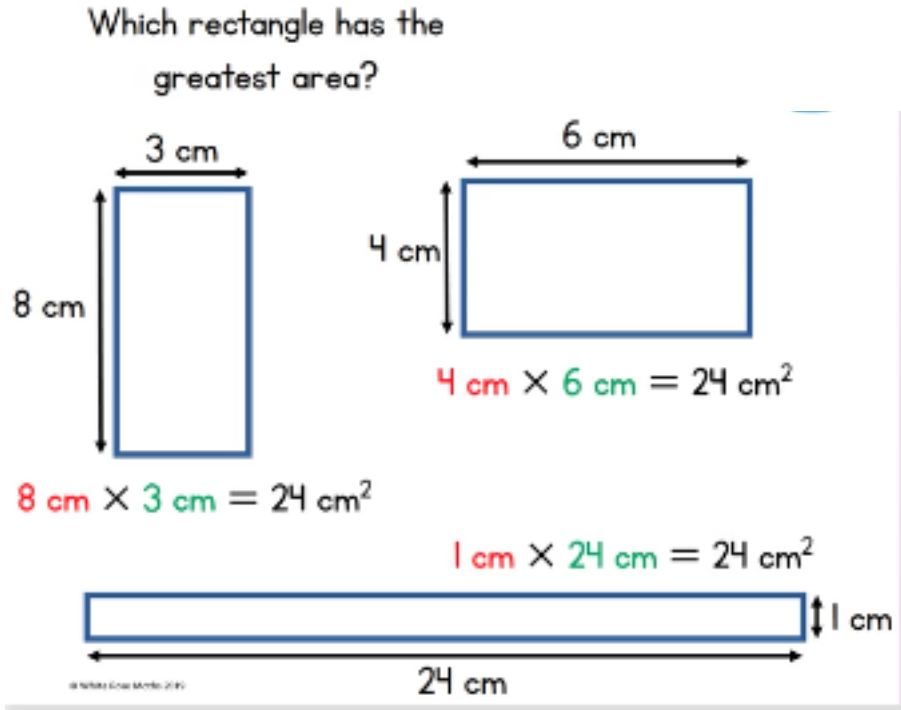


The formula for the area of a rectangle

Length × Width = Area

6 cm × 4 cm = 24 cm^2



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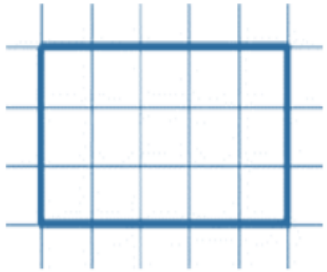
What is the area of this shape if:

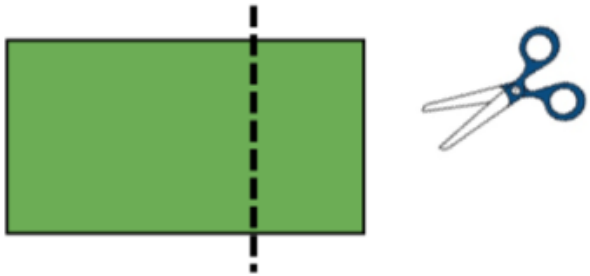
- each square is 2 cm in length? 60 cm²
- each square is 3.5 cm in length?



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 cm².

Calculate the total orange area.

Calculate the blue area.

Calculate the green area.

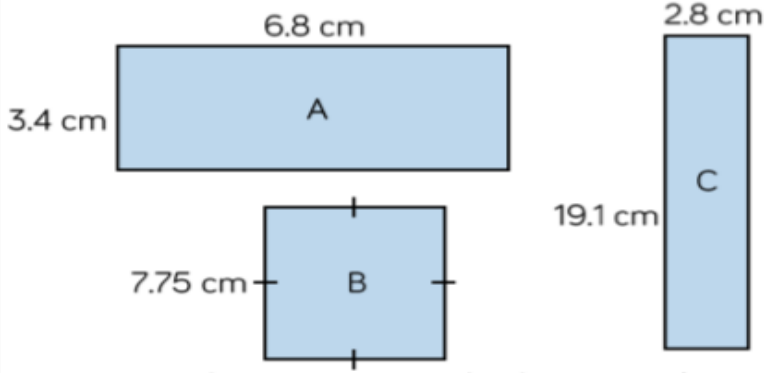
What is the total area of the whole shape?

Orange = 48 cm²

Blue = 72 cm²

Green = 24 cm²

Total = 144 cm²



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

Answer: A = 3cm × 7cm = 21cm²

B = 8cm × 8cm = 64cm

C = 3cm × 19cm = 57cm²

Order: B, C, A

Mo buys a house with a small back garden, which has an area of 12 m².

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?

180 cm²