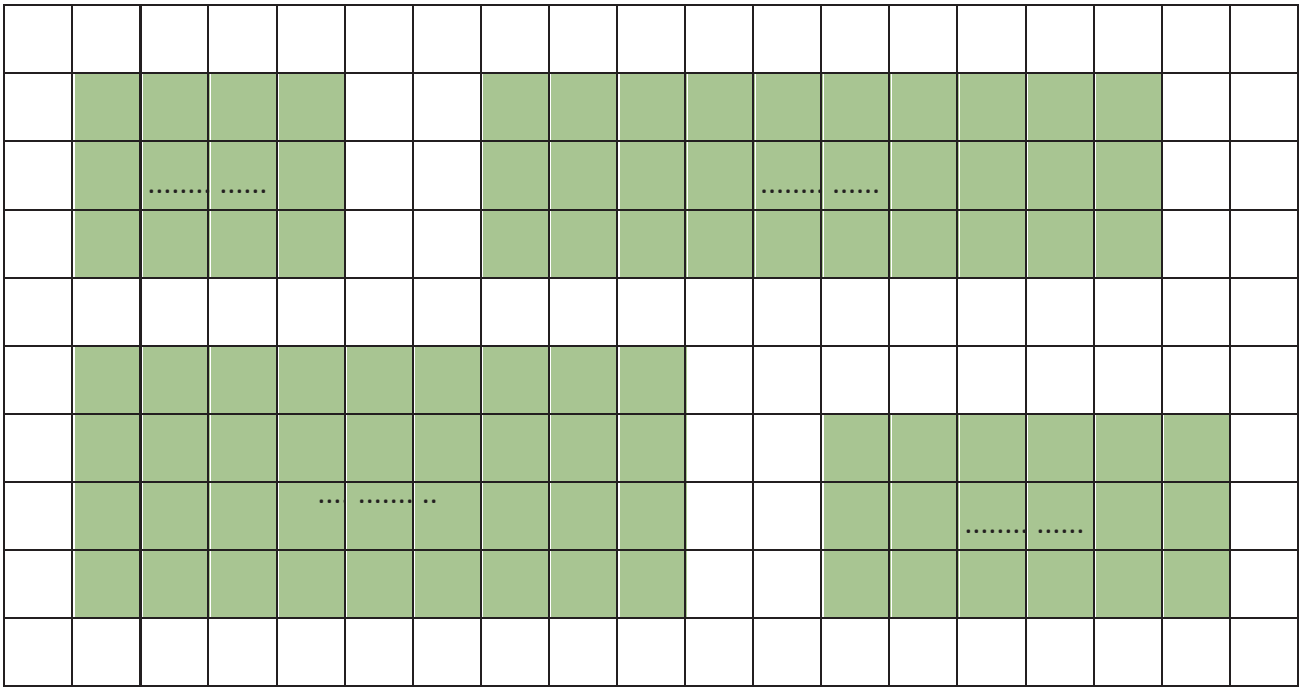
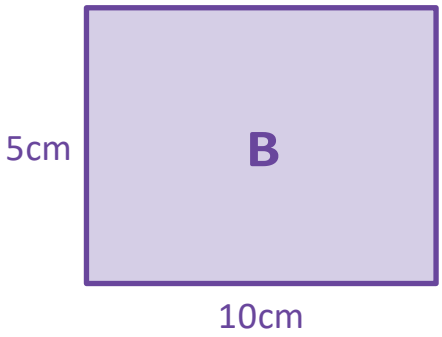
Shapes with the Same Area

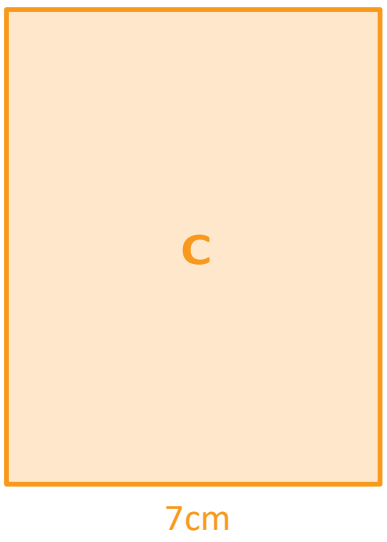
Activity 1

a) Each small square represents 1cm². Calculate the area of each rectangle by counting the squares.



b) Find the area of the rectangles by multiplying the length by the width each time. The first one is done for you.



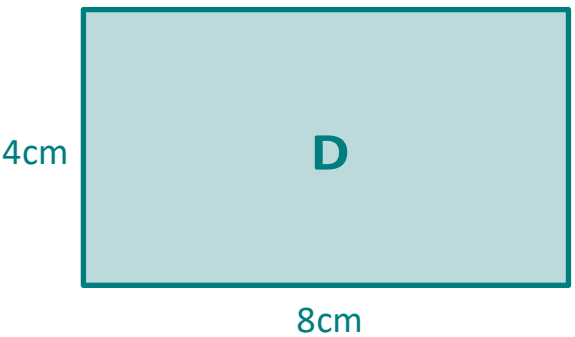


Area of rectangle A: 7 x 4 = 28cm²

Area of rectangle B: .....

Area of rectangle C: .....

Area of rectangle D: .....

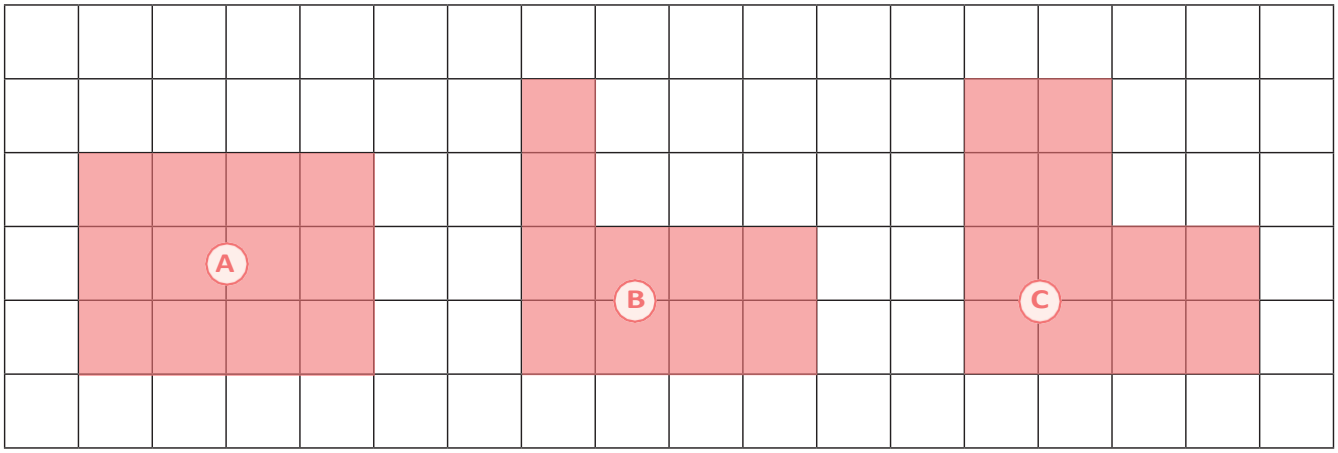


Shapes with the Same Area

Activity 2

Each small square represents $1cm^2$. Which shapes have the same area?

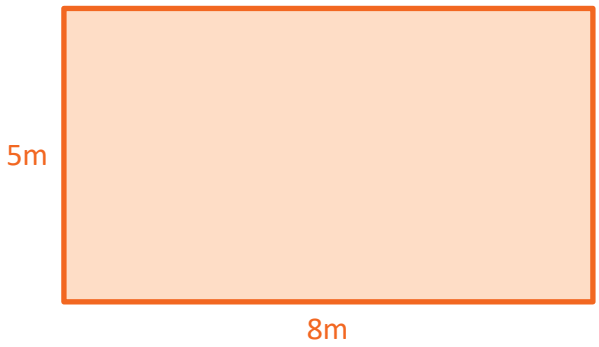
Shapes .....



Shapes with the Same Area

Activity 3

a) Flynn is planning to lay a new patio in his garden.
The space where he wants his patio is **8m** long by **5m** wide.



The slabs he likes are **1m²**. How many slabs will he need? .....

The slabs cost **£2 each**. How much will his new patio cost? .....

b) Clare says, '14 is not a multiple of 4, so, you cannot have a rectangle with an area of **14m²**.'

Is Clare correct? Yes / No

Explain your reasoning .....

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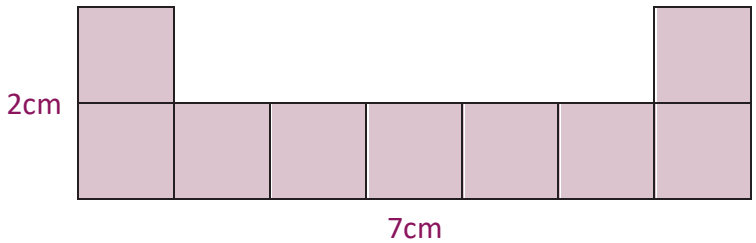
c) Harry says, 'This shape has an area of **14cm²**. I know this because I multiplied 2 by 7.'



Is Harry correct? Yes / No

Explain your reasoning .....

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