

Ratio and Proportion



Scale Drawing

1. Fill in the blanks to correctly complete the statements.

If 6 cm represents 1 m on a scale drawing, then:

12 cm represents m

18 cm represents m

3 cm represents m

60 cm represents m

If 8 cm represents 1 m on a scale drawing, then:

2 m is represented by cm

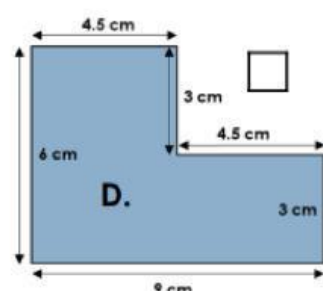
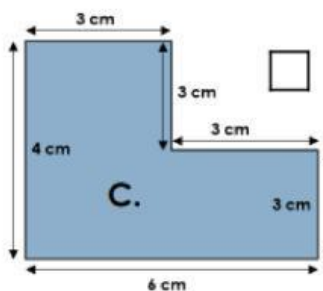
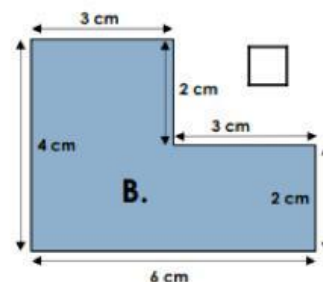
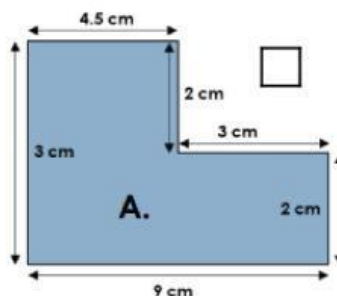
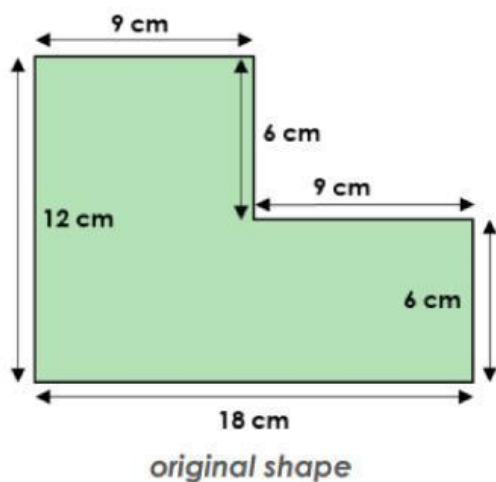
4 m is represented by cm

10 m is represented by cm

0.25 m is represented by cm

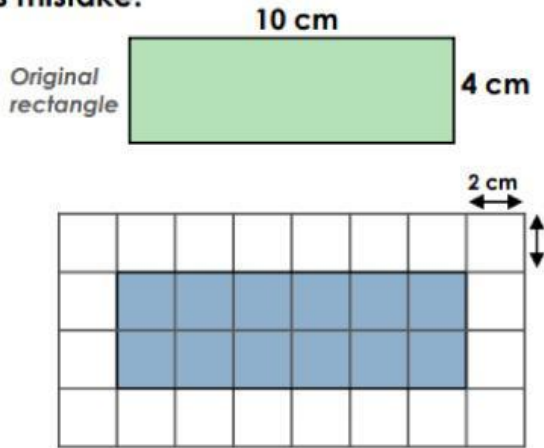
VF

2. Tick the scale drawings that match the original shape.



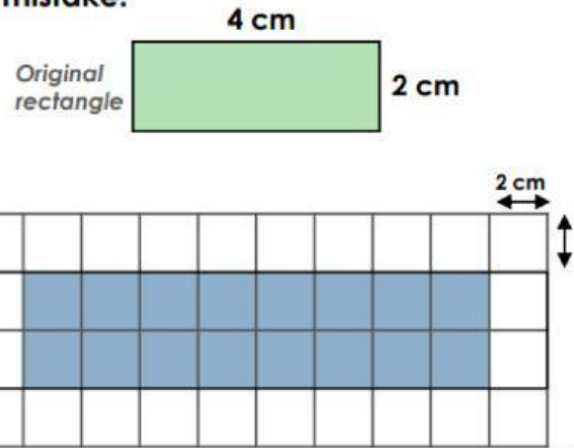
VF

2a. Aarav thinks he's drawn a scale diagram of the original rectangle. Explain his mistake.



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2b. Nadia thinks she's drawn a scale diagram of the original rectangle. Explain her mistake.



R

3. The children are discussing the original shape and the scale drawing below. Explain who is correct and who is incorrect.



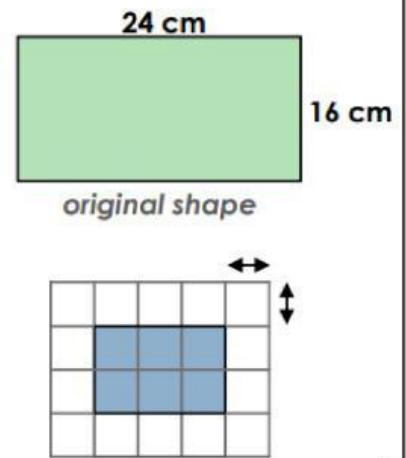
Each square represents 4 cm because 24 and 16 are both divisible by 4.



I can use division to work out what each square represents.



Dividing 24 by 3 small squares will tell me the measurement each square represents.



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