



Ratio and Proportion



Scale Factors

2a. Rebecca says,



A scale factor of two means you multiply each side of the original shape by two.

Is she correct?



VF

2b. Nasir says,



A scale factor of three means the new shape is twice as big as the original shape.

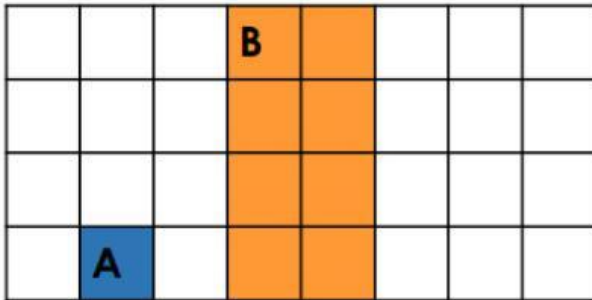
Is he correct?



VF

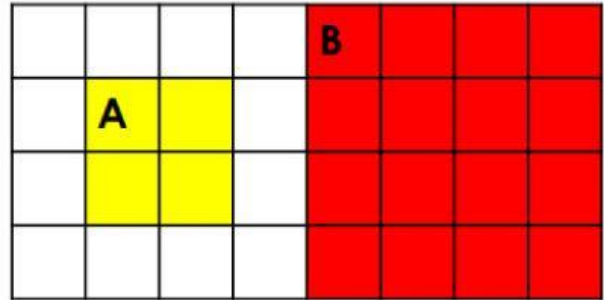
4a. True or false?

Shape A has been increased by a scale factor of 3 to create shape B.

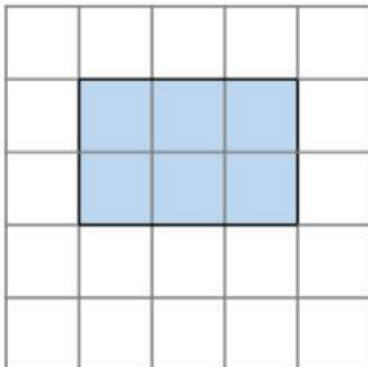


4b. True or false?

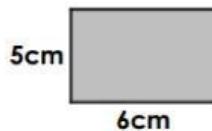
Shape A has been increased by a scale factor of 2 to create shape B.



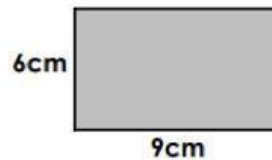
1. If the shape below (drawn on 1cm^2 paper) was enlarged by a scale factor of 3, what would its new measurements be? Tick the correct option.



A.



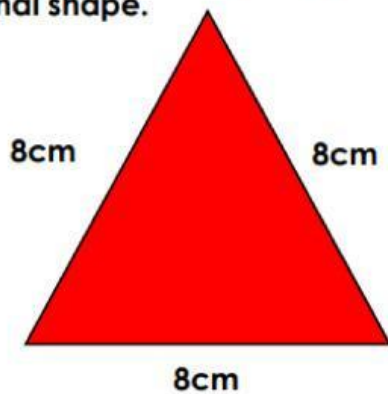
B.



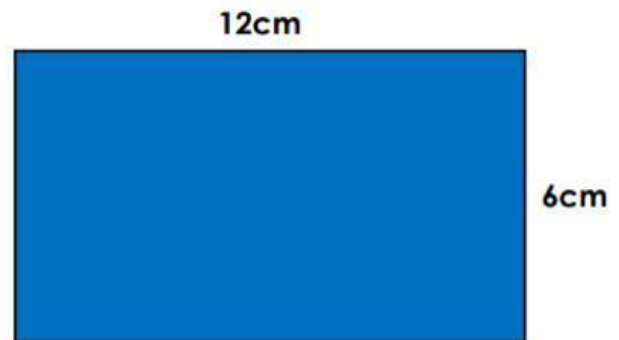
C.



1a. This shape has been enlarged by a scale factor of 4. Find the perimeter of the original shape.



1b. This shape has been enlarged by a scale factor of 3. Find the perimeter of the original shape.



2a. Sarah says,



If I enlarge the shape by a scale factor of 2, the new perimeter will be 48cm.



2b. Laurie says,



If I enlarge the shape by a scale factor of 3, the new perimeter will be 54cm.

