






LO: To be able to use scale factors (bronze)

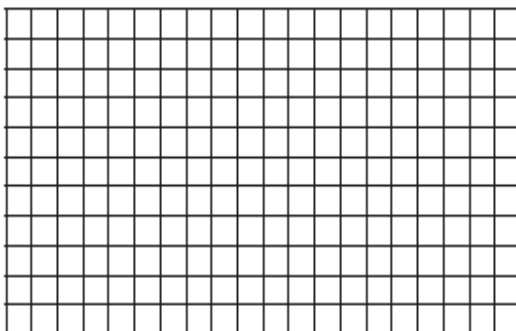
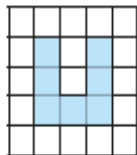
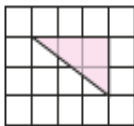
<p>1a. Enlarge this shape by a scale factor of 3.</p>  <p>3cm 5cm</p> <p>★ Not to scale VF</p>	<p>1b. This shape has been enlarged by a scale factor of 3. Find the perimeter of the original shape.</p>  <p>12cm 6cm</p> <p>★ Not to scale PS</p>
<p>2a. Rebecca says,</p>  <p>A scale factor of two means you multiply each side of the original shape by two.</p> <p>Is she correct?</p> <p>★ VF</p>	<p>2b. Laurie says,</p>  <p>If I enlarge the shape by a scale factor of 3, the new perimeter will be 54cm.</p>  <p>7cm 2cm</p> <p>Is he correct? Explain your answer.</p> <p>★ Not to scale R</p>

3. a) Explain what it means for a shape to be enlarged by a scale factor of 2

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b) Enlarge the shapes by a scale factor of 2

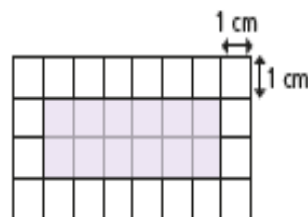


4. Complete the sentence.

A shape in which each side has tripled in size has been enlarged by a scale factor of

5.

The sides of the rectangle are increased by a scale factor of 2  
What is the perimeter of the new shape?



cm

LO: To be able to use scale factors (silver)

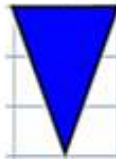
1.

Enlarge by a scale factor of 3



2.

Enlarge by a scale factor of 2

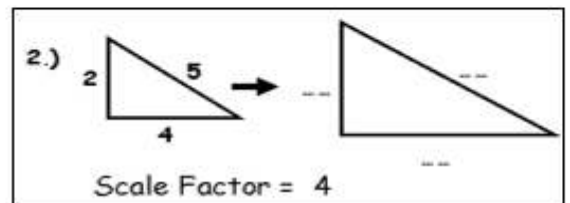
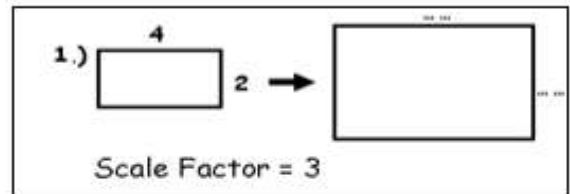
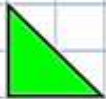


4.

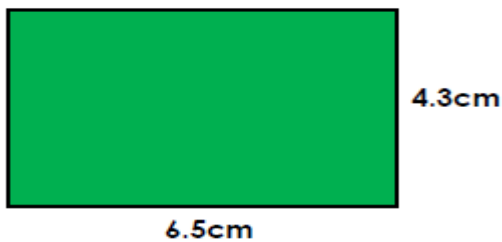
Fill in the measurements for the scale factor given.

3.

Enlarge by a scale factor of 4



5a. Enlarge this shape by a scale factor of 2.



Not to scale

VF

5b. Ciara says,



If I enlarge the shape by a scale factor of 4, the new perimeter would be 60cm.



Is she correct? Explain your answer.



Not to scale

R

6a. Jake says,



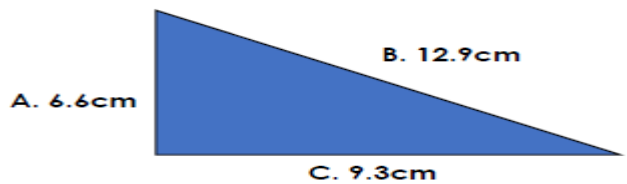
A scale factor of 3.5 means you multiply each side of the original shape by 3.5.

Is he correct?



VF

6b. This triangle was enlarged by a scale factor of three.



What were the measurements of the original triangle?



Not to scale

PS

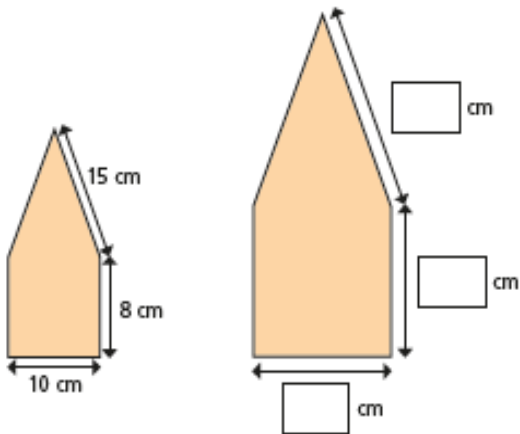
LO: To be able to use scale factors (gold)

Find the scale factor of enlargement from A to B in each diagram below:

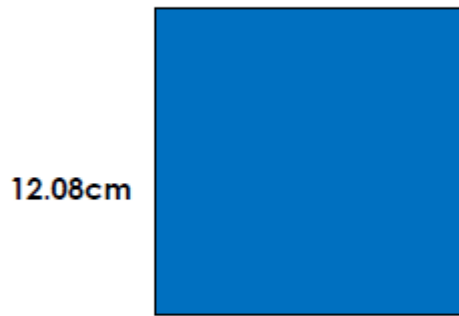
1.	
Answer	
2.	
Answer	

3.	
Answer	
4.	
Answer	

- 5 The shape has been enlarged by a scale factor of  $1\frac{1}{2}$   
Fill in the dimensions of the new shape.



- 7a. This square has been enlarged by a scale factor of 4. Find the perimeter of the original shape.



Not to scale

PS

- 8a. Ashleigh says,



If I enlarge the shape by a scale factor of 3.5, the new area will be  $112.7\text{cm}^2$ .



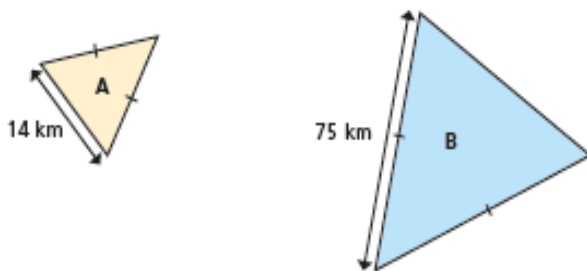
- Is she correct? Explain your answer.



Not to scale

R

6. Triangle A has been enlarged by a scale factor of 5 to make triangle B.  
Find the perimeter of each triangle.



perimeter of A =  perimeter of B =