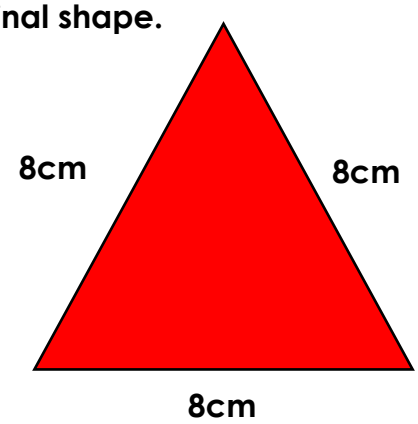
Using Scale Factors

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



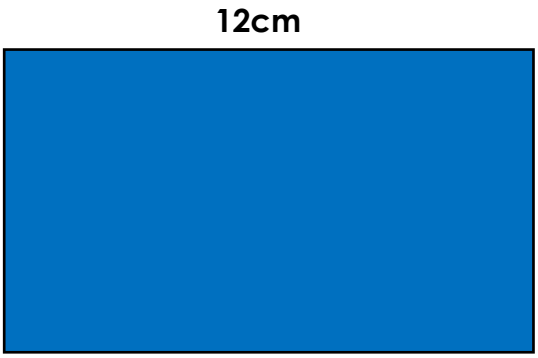
D

Not to scale

PS

Using Scale Factors

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



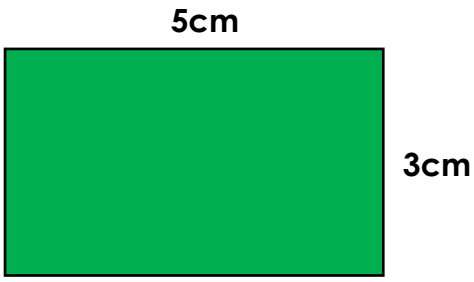
D

Not to scale

PS

2a. Sarah says,

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



Is she correct? Explain your answer.

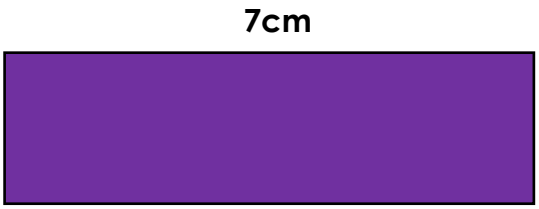
D

Not to scale

R

2b. Laurie says,

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



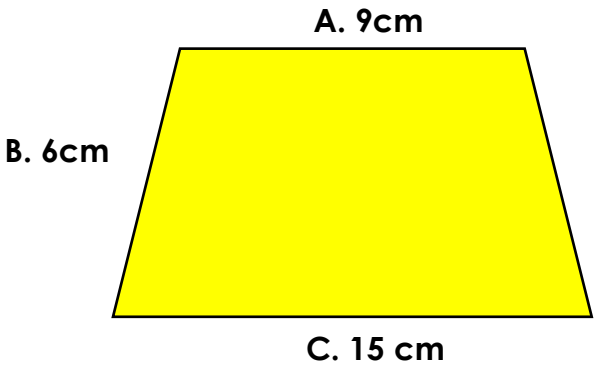
Is he correct? Explain your answer.

D

Not to scale

R

3a. This shape was enlarged by a scale factor of three.



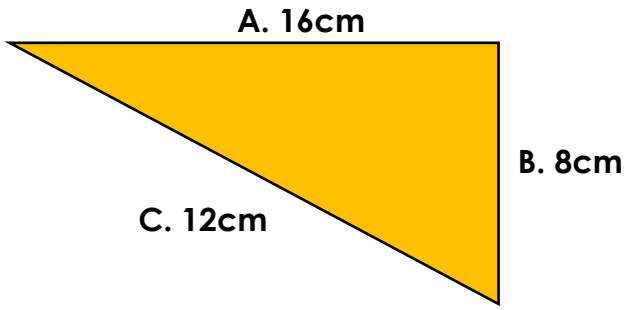
What were the measurements of the original shape?

D

Not to scale

PS

3b. This triangle was enlarged by a scale factor of four.



What were the measurements of the original triangle?

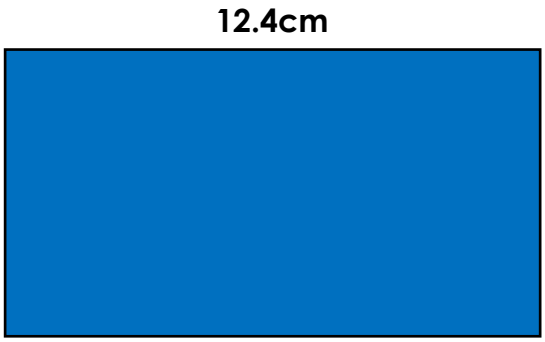
D

Not to scale

PS

Using Scale Factors

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

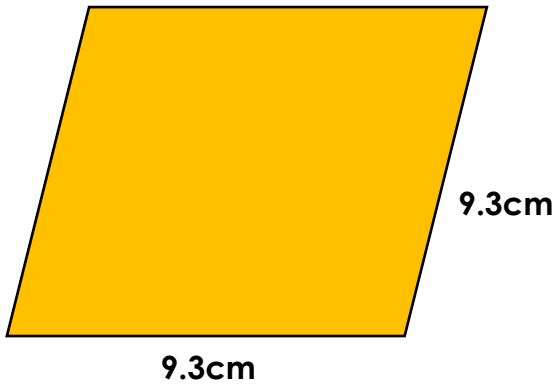


Not to scale

PS

Using Scale Factors

4b. This shape has been enlarged by a scale factor of 3. Find the perimeter of the original shape.

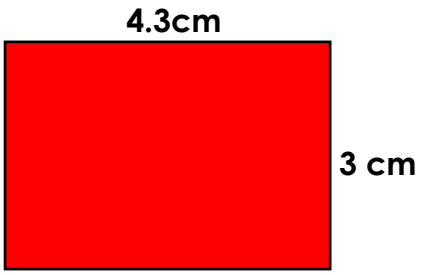


Not to scale

PS

5a. Mohammad says,

If I enlarge the shape by a scale factor of 4, the new perimeter will be 58.4cm.



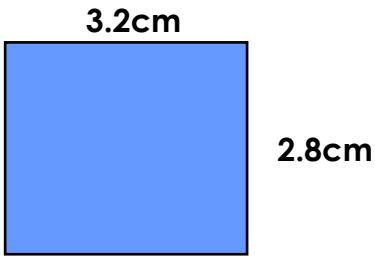
Is he correct? Explain your answer.

Not to scale

R

5b. Ciara says,

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

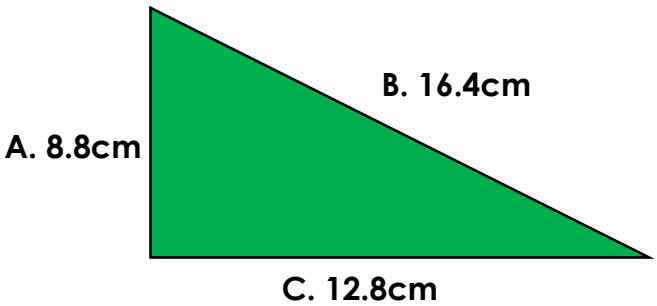


Is she correct? Explain your answer.

Not to scale

R

6a. This triangle was enlarged by a scale factor of four.

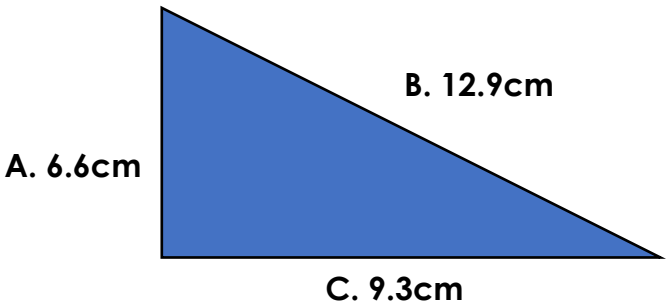


What were the measurements of the original triangle?

Not to scale

PS

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



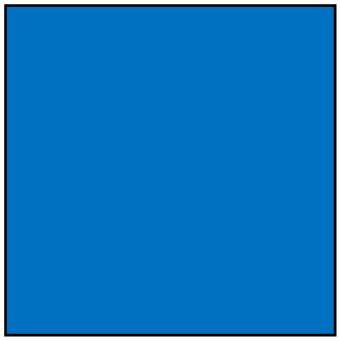
What were the measurements of the original triangle?

Not to scale

PS

Using Scale Factors

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



GD *Not to scale* PS

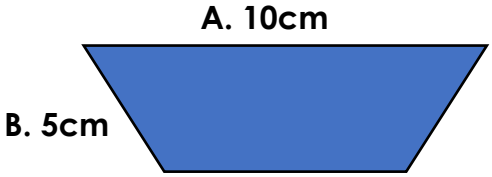
8a. Ashleigh says,

If I enlarge the shape by a scale factor of 3.5, the new area will be 112.7cm².

Is she correct? Explain your answer.

GD *Not to scale* R

9a. This shape was enlarged by a scale factor of 2.5.

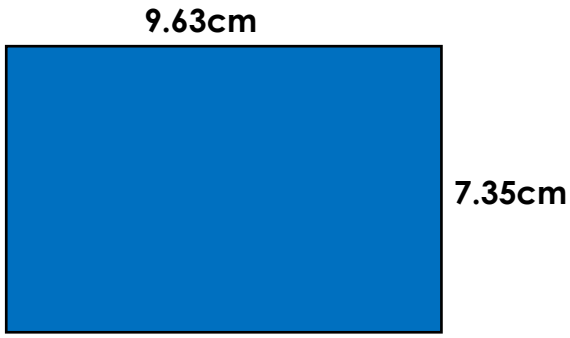


What were the measurements of the original shape?

GD *Not to scale* PS

Using Scale Factors

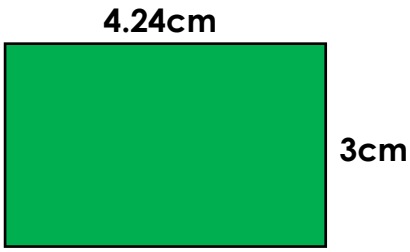
7b. This shape has been enlarged by a scale factor of 3. Find the perimeter of the original shape.



GD *Not to scale* PS

8b. Roberto says,

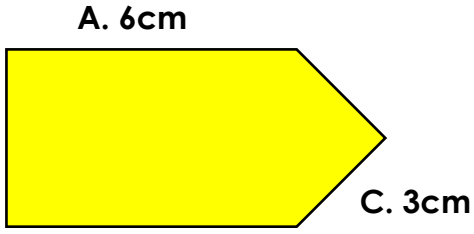
If I enlarge the shape by a scale factor of 2.5, the new area will be 50.88cm².



Is he correct? Explain your answer.

GD *Not to scale* PS

9b. This shape was enlarged by a scale factor of 1.5.



What were the measurements of the original triangle?

GD *Not to scale* R