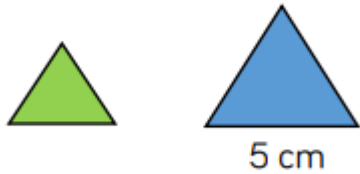


Here are two equilateral triangles.  
The blue triangle is three times larger than the green triangle.



Find the perimeter of both triangles

The blue triangle has a perimeter of 15 cm.

The green triangle has a perimeter of 5 cm

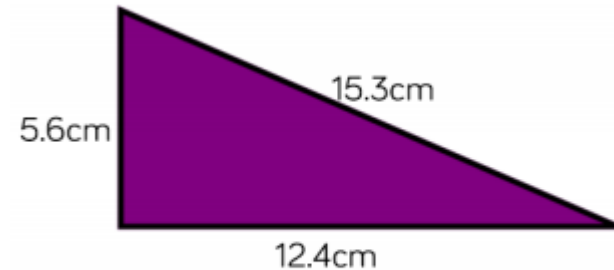
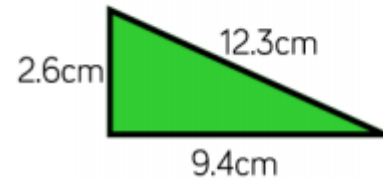
Brian says:



The purple triangle has been enlarged from the green triangle by scale factor 3

Possible answer

I do not agree because Brian has increased the green shape by adding 3cm to each side, not increasing it by a scale factor of 3



Do you agree?  
Explain why.

One rectangle has a perimeter of 16 cm.  
An enlarged version of this rectangle has a perimeter of 24cm.

The length of the smaller rectangle is 6cm.  
Draw both rectangles.

Smaller rectangle:  
length - 6 cm  
width - 2 cm

Larger rectangle:  
length - 9 cm  
width - 3 cm

Scale factor: 1.5