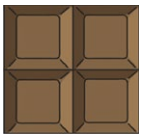
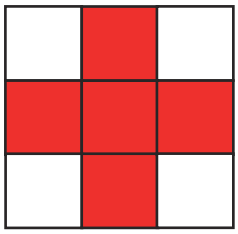
1) In the box to the right, double the size of the chocolate bars pictured below.

a)

b)

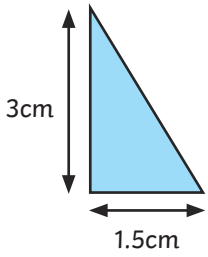


2) Enlarge the flag by a scale factor of 2. You will need to use some additional squared paper.



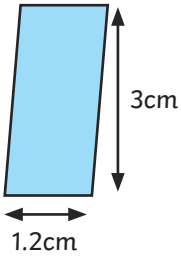
3) Enlarge the shapes by a scale factor of 3. Label each shape to show length and width. You will need to use some additional squared paper.

a)



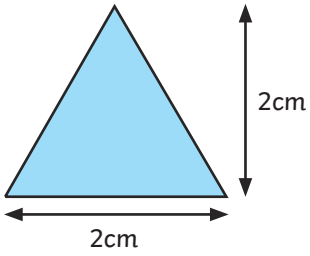
Not to scale

b)



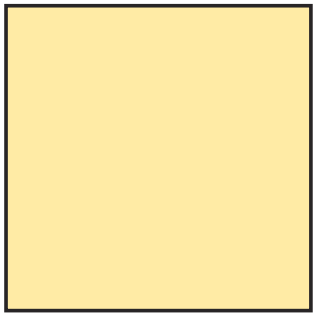
Not to scale

c)



Not to scale

4) The square has been enlarged by a scale factor of 3. Calculate the perimeter of the original shape.



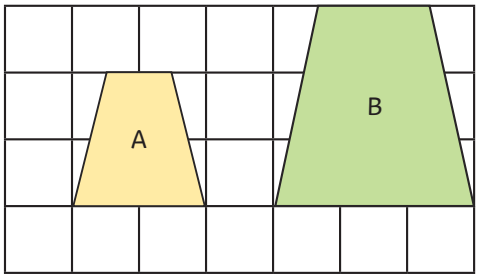
12.9cm

Not to scale

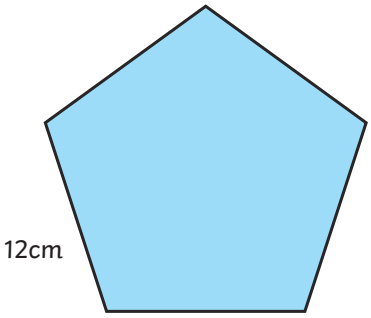
Perimeter: _____

1) Do you agree with Alice? Explain why.

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



2) This regular pentagon has been enlarged by a scale factor 3. What was the perimeter of the original shape?

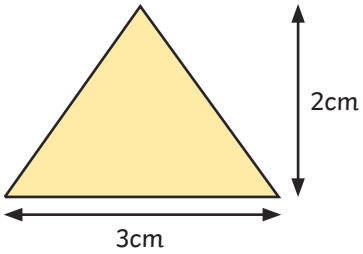


Not to scale

Perimeter of original shape = _____

3) Do you agree with Johan? Explain why.

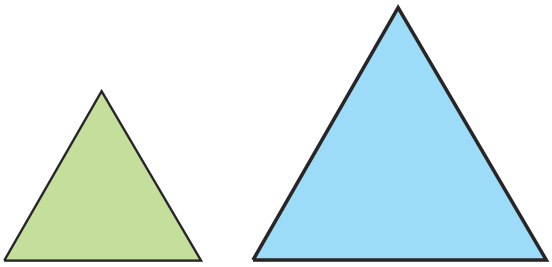
If I enlarge the shape by a scale factor of 3, the new area will be 25cm^2.



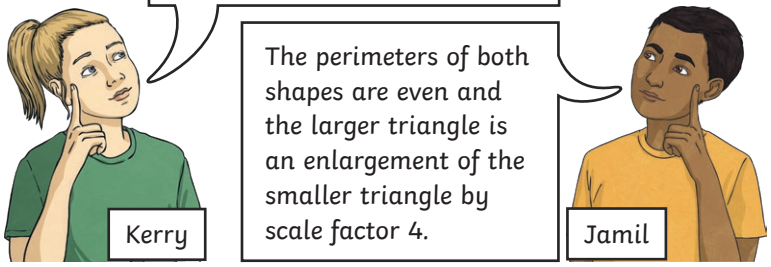
Not to scale

1) Both triangles below are equilateral triangles.

Do you agree with Kerry or Jamil? Explain why.

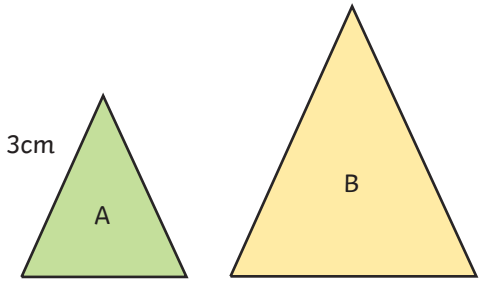


Not to scale



2) Here are two isosceles triangles. Triangle A has been enlarged to make triangle B.

Find the perimeter of the enlarged shape.



Not to scale

perimeter = _____

3) Complete the table using the scale factor clues to find the dimensions of the original triangle.

Dimension	Scale Factor 0.5	Original Triangle	Scale Factor 2	Scale Factor 3	Scale Factor 4
Height (cm)					**24cm**
Width (mm)	**16mm**				