Using scale factors

a) Here is a rectangle.

Draw another rectangle where each side is twice as big.

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b)	Here	is a	square.
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Draw another square where each side is 4 times as big.

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

b) Enlarge the shapes by a scale factor of 2





3

Complete the sentence.

a scale factor of



A shape in which each side has tripled in size has been enlarged by



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Here is a rectangle.

- a) Measure the side lengths of the rectangle and label them on the diagram.
- b) Enlarge the rectangle by a scale factor of 3 and label the side lengths.

15 cm 8 cm 10 cm Triangle A has been enlarged by a scale factor of 5 to make 7 triangle B. Find the perimeter of each triangle. 14 km perimeter of A =

6

What is the perimeter of the new shape?

The sides of the rectangle are increased by a scale factor of 2



The shape has been enlarged by a scale factor of $1\frac{1}{2}$

Fill in the dimensions of the new shape.







