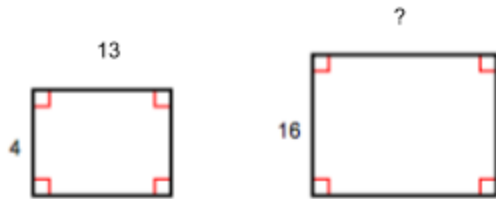


Topic 1: Using Ratios - Block 2 Homework

For problems 1 through 4, write a proportion to represent the change **from the left-hand to right-hand figure**.

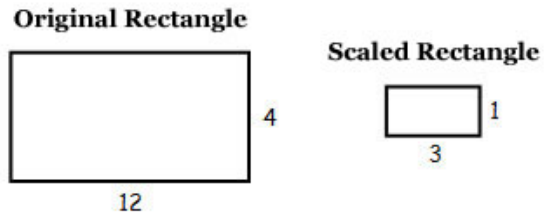
1) What is the scale factor? What is the missing side length?



$sf = \underline{\hspace{2cm}}$

$? = \underline{\hspace{2cm}}$

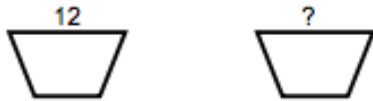
2) What is the scale factor? What is the missing side length?



$sf = \underline{\hspace{2cm}}$

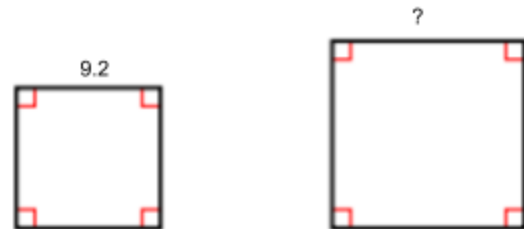
$? = \underline{\hspace{2cm}}$

3) Apply a scale factor of $\frac{1}{4}$. What is the missing side length?



$? = \underline{\hspace{2cm}}$

4) Apply a scale factor of 5. What is the missing side length?



$? = \underline{\hspace{2cm}}$

5) $\frac{2}{5} = \frac{12}{30}$

What is the scale factor?

$sf = \underline{\hspace{2cm}}$

6) $\frac{28}{42} = \frac{4}{6}$

What is the scale factor?

$sf = \underline{\hspace{2cm}}$

7) $\frac{12}{28} = \frac{30}{70}$

What is the scale factor?

$sf = \underline{\hspace{2cm}}$