



Math Virtual Learning

Geometry/Honors Geometry

Solving Proportions

Tuesday, April 14th



Grade/Course
Lesson: April 14th, 2020

Objective/Learning Target:

Students will find missing side lengths in similar triangles

Information:

Watch the two videos on solving problems involving similar triangles

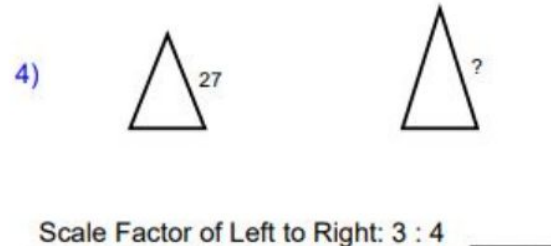
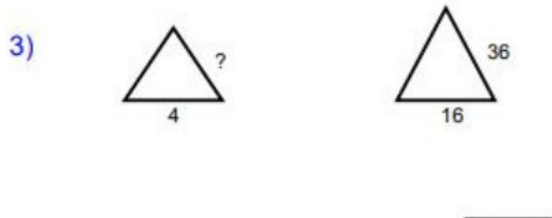
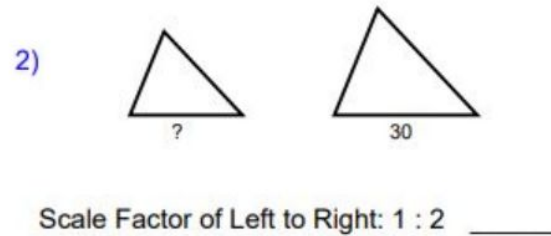
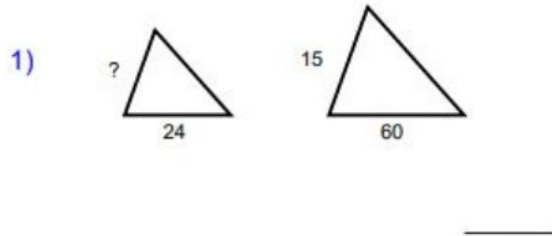
[April 14 Solving Problems Involving Similar Triangles](#)

[Solving Similar Triangles \(Khan Academy\)](#)

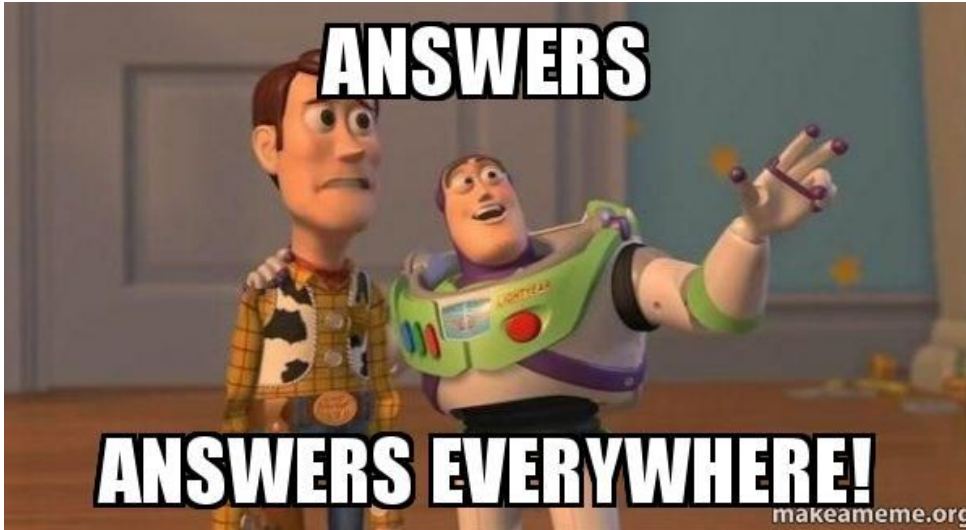
Practice:

Now that you watch the examples try to solve the following 4 problems

Each polygon pair is similar. Find the missing side length.



Answer Key



$$\begin{aligned} 1) \quad \frac{24}{60} &= \frac{x}{15} \\ 60x &= 360 \\ x &= \frac{360}{60} = 6 \end{aligned}$$

$$2) \quad \frac{30}{2} = 15$$

$$\begin{aligned} 3) \quad \frac{4}{16} &= \frac{x}{36} \\ 16x &= 144 \\ x &= 9 \end{aligned}$$

$$4) \quad \frac{27}{3} = 9 \quad 9 \cdot 4 = 36$$

Practice

[Basic Khan Academy Practice](#)

[Advanced Khan Academy Practice](#)