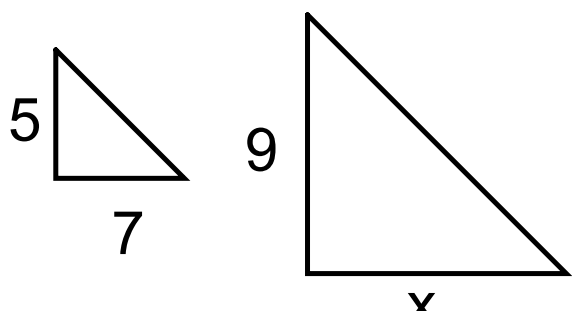


Proportions

Proportional - same shape but with different dimensions.



$$\frac{x}{7} = \frac{9}{5}$$
$$x = \frac{9(7)}{5}$$
$$= 12.6$$

$$\frac{4}{9} = \frac{10}{x}$$

$$\frac{9}{4} = \frac{x}{10}$$

$$\frac{9(10)}{4} = x$$

$$22.5 = x$$

~~$$\frac{21}{16} = \frac{15}{x}$$~~

~~$$\frac{21x}{21} = \frac{15(16)}{21}$$~~

~~$$x = 11.43$$~~

$$\frac{x}{15} \Rightarrow \frac{6}{7}$$

$$x = \frac{6(15)}{7}$$
$$= 12.9$$

$$\frac{23}{x} \Rightarrow \frac{51}{5}$$

$$\frac{(23)(5)}{51} = \frac{51x}{51}$$
$$x = 2.3$$

Quiz - Pythagorean Theorem

Homework - Proportions worksheet