

6.2 Learning Opportunity

Proportions



Name: _____

Are the ratios below proportional?

1) $\frac{7}{9} \stackrel{?}{=} \frac{24}{27}$

2) $\frac{10}{4} \stackrel{?}{=} \frac{15}{6}$

3) $\frac{17}{62} \stackrel{?}{=} \frac{3}{11}$

Identify the value of the variable in each proportion below.

4) $\frac{8}{3} = \frac{k}{18}$

5) $\frac{4}{14} = \frac{m}{49}$

6) $\frac{25}{30} = \frac{x}{12}$

7) $\frac{27}{c} = \frac{9}{12}$

8) Caitlin is preparing for a big test. In a practice test, she answered 12 problems in 30 minutes. At this rate, how many questions can she expect to answer in 150 minutes?

9) An architect built a model of a 220-foot tall building she is designing. The model is 25 inches tall and 10 inches wide. How wide is the actual building?

