

Mathematics**Topic: Ratio and Proportion**

Name: _____

Instructions: Cross multiply to check if these ratios are proportional (equal).
The first one has been done for you.

1. $\frac{12}{7} = \frac{36}{21}$

$12 \times 21 = 7 \times 36$

$252 = 252$

proportional/equal

2. $\frac{3}{11} = \frac{17}{6}$

3. $\frac{4}{10} = \frac{8}{20}$

4. $\frac{10}{24} = \frac{25}{60}$

5. $\frac{5}{15} = \frac{3}{9}$

Instruction: Solve to find the value of the variable (letter) in each ratio(fraction).
The first one has been done for you.

6. $\frac{2}{5} = \frac{w}{65}$

$65 \times 2 = 5 w$

$130 = 5w$

$130 \div 5 = 5w \div 5$

$26 = w$

$w = 26$

7. $\frac{2}{7} = \frac{c}{28}$

8. $\frac{k}{6} = \frac{15}{18}$

9. $\frac{4}{5} = \frac{12}{a}$

10. A shop produces 39 cakes in two weeks. How long will it take the shop to produce 429 cakes?

$39 : 2 = 429 : m$