

Ratio and Proportion
Notes

Name _____
Date _____

1. A _____ compares two things with the _____ units.
2. Write an example of a ratio. _____
3. Write an example of equivalent fractions. _____
4. When 2 ratios are equal, it is called a _____.
5. A proportion compares 2 ratios using an “_____” sign.
6. Given an example of a proportion _____
7. How do you see if two ratios are equal? _____

$$\boxed{\frac{\mathbf{A}}{\mathbf{C}} = \frac{\mathbf{B}}{\mathbf{D}}}$$

8. Identify the extremes part of the cross-product. _____ and _____.
9. Identify the means part of the cross-product. _____ and _____.
10. Solve the proportion.

$$\frac{2}{3} = \frac{x}{18}$$

11. Solve

$$\frac{6}{4} = \frac{16}{x}$$

Chapter 4
Ratio and Proportions #1

Name _____
Date _____

Solve each proportion.

1. $\frac{4}{5} = \frac{x}{20}$ _____

2. $\frac{b}{63} = \frac{3}{7}$ _____

3. $\frac{y}{5} = \frac{3}{4}$ _____

4. $\frac{7}{4} = \frac{3}{a}$ _____

5. $\frac{t-5}{4} = \frac{3}{2}$ _____

6. $\frac{x}{9} = \frac{.24}{3}$ _____

7. $\frac{n}{3} = \frac{n+4}{7}$ _____

8. $\frac{12q}{-7} = \frac{30}{14}$ _____

9. $\frac{1}{y-3} = \frac{3}{y-5}$ _____

10. $\frac{r-1}{r+1} = \frac{3}{5}$ _____

11. $\frac{a-3}{8} = \frac{3}{4}$ _____

12. $\frac{6p-2}{7} = \frac{5p+7}{8}$ _____