

Ratio and Rate Cheat Sheet

Ratio:

1. Relationship between similar things.
2. Written as fraction, with colon or the word "to."
 - a. $\frac{4}{7}$ or 4:7 or 4 to 7
3. Reduce to lowest terms.
4. Improper fraction ok for answer
5. Examples
 - a. A class has a ratio of 4 men to 3 women: $\frac{4}{3}$, 4:3 4 to 3
 - b. Six cups of flour to 18 cups water: $\frac{6}{18} = \frac{1}{3}$, 1:3; 1 to 3

Rate:

1. Relationship between different things.
2. Written as fraction
 - a. $\frac{4}{7}$
3. Reduce to lowest terms.
4. Improper fraction ok for answer
5. Examples
 - a. A car gets 4 mile per 3 gallons of gas: $\frac{4}{3}$,
 - b. 200 boxes hold 1000 oz. of cereal: $\frac{1}{5}$

Unit Rate:

6. Rate with a denominator of 1
7. Written as fraction
8. Reduce to lowest terms.
9. Improper fraction not allowed as answer.
10. Examples
 - a. Find the miles per gallon for a car that goes 600 miles on 20 gallons of fuel $\frac{600}{20} = \frac{30}{1}$