

# Ratios and Proportions

**Directions: Find each ratio.**

- 1.) In a fruit basket, there are 4 apples, 6 oranges, and 8 bananas. What is the ratio of apples to oranges to bananas?
- 2.) In a classroom, there are 15 boys and 10 girls. What is the ratio of boys to girls?
- 3.) A cake recipe requires 2 cups of flour and 1 cup of sugar. What is the ratio of flour to sugar?
- 4.) In a pet store, there are 20 dogs, 10 cats, and 5 birds. What is the ratio of dogs to cats to birds?

**Directions: Find each rate.**

- 5.) A car travels 240 miles in 4 hours. What is the rate of speed in miles per hour (mph)?
- 6.) A pool can be filled by a hose at a rate of 10 gallons per minute. How many gallons of water will be filled in the pool in 30 minutes?
- 7.) Sarah can type 60 words in 3 minutes. What is her typing rate in words per minute (wpm)?
- 8.) Alex can ride his bike at a rate of 8 miles per hour. How far will he travel in 2.5 hours?

**Directions: Solve each problem.**

- 9.) If 5 oranges cost \$2.50, how much will 8 oranges cost?
- 10.) If a recipe calls for 2 cups of flour and serves 4 people, how much flour is needed to serve 8 people?

