

1. If a jogger runs 2 miles and burns 185 calories, how many calories would he burn jogging 3 miles?
2. The ratio of the cost of a tennis racket to tennis balls is 18:1. If a can of balls cost \$5.35, what is the cost of the racket?
3. Curtis School has 1,575 students. The student to teacher ratio is 15 to 1. How many teachers are at Curtis School?
4. A recipe calls for  $2\frac{1}{2}$  cups of flour to make 2 dozen cookies. How many cups of flour would be required to bake 15 dozen cookies?
5. A meteorologist reports that the ratio of snowfall in January to total snowfall during the average winter is 2 to 5. If 34 inches have fallen in January of the current year, find the predicted total snowfall for the entire winter.

6. Because of slumping sales, a small company had to lay off some of its employees. The ratio of total employees to employees laid off is 5 to 1. Find the total number of employees if 22 are laid off.
  
  
  
  
  
  
  
  
  
  
7. A crew of loggers cleared  $\frac{1}{2}$  acre of lumber in 4 days. How long will it take the same crew to clear  $2\frac{3}{4}$  acres of lumber?
  
  
  
  
  
  
  
  
  
  
8. A person who weighs 200 pounds on Earth would weigh about 32 pounds on the moon. Find the weight of a person on Earth who would weigh 15 pounds of the moon.
  
  
  
  
  
  
  
  
  
  
9. A pump can fill a 750-gallon tank in 35 minutes. How long will it take to fill a 1000-gallon tank with this same pump?
  
  
  
  
  
  
  
  
  
  
10. In a public opinion poll, 624 people from a sample of 1,100 indicated they would vote for a specific candidate. How many votes can the candidate expect to receive from a population of 40,000?