1. Ben’s car can go 450 miles on one tank of gas. The gas tank of his car holds 16 gallons, and 1 gallon of gasoline cost $2.30. What is Ben paying for the cost of gasoline per mile?
2. If 15 pies will serve 120 people, how many pies are needed for 152 people?
3. While on a 5 day vacation, Lucas downloaded music from iTunes. He received a bill for $45.15. Each song cost $1.29. If he downloaded the same number of songs each day, how many songs did he download on the first day of vacation?
4. Harry, Charlie, and Teddy sold bouquets of flowers at the Morningside market. After 4 hours, the boys sold 36 bouquets of flowers. If each of the boys sold an equal number of bouquets per hour, how many bouquets did Charlie sell per hour?
5. Intown Hardware sells a 6 pack of pansies for $5.99. Home Depot sells an 8 pack of pansies for $6.72. Which store has the better offer?
6. The Peachtree Road Race has been run in Atlanta every July 4 since 1970, becoming the world's largest 10K race late in its first decade. Kenya's Joseph Kimani has held the race's best time since 1996, when he scorched Atlanta's streets by running it in 27 minutes and 4 seconds. If 1 mile is about 1.57 kilometers, what is the best estimate of his speed in miles per hour and kilometers per hour?
7. Jennifer bought a new car this weekend and borrowed 85% of its value. If the price of the car was $35,000, how much did Jennifer borrow?
8. At Baskins-Robins ice-cream shop, the ratio of ice-cream cones sold to ice cream in a bowl is 3 to 1. Which of the following could be the total number of ice-cream sold to ice-cream in cones?
9. 9 ice-creams

12 ice-cream cones

1. 20 ice-creams

12 ice-cream cones

1. 15 ice-creams

20 ice-cream cones

1. 12 ice-creams

9 ice-cream cones

1. Coach Hooley has 48 students signed up for intramural basketball. He only has 12 basketballs. What is the ratio of basketballs to students?
2. 3:2
3. 3:1
4. 1:3
5. 2:3
6. Eduardo spent 35% of his time at the theme park on roller coasters. If he was there for 8 hours, how much time did he spend on roller coasters?
7. Yara just received a 6% raise in salary. Before the raise, she was making $52,000 per year. How much more will Yara earn next year?
8. Lucy spelled twice as many correct words on her spelling test as she got incorrect. Which shows the ratio of the number of words Lucy got incorrect to correct?
9. 8:12
10. 8:16
11. 20:10
12. 2:3
13. Dynamic **ropes** are designed to absorb the energy of a falling climber, and are usually used as Belaying **ropes**. If Ethan buys Sterling Evolution Dynamic Rope that is 70 meters long for $238.99 at REI, what is the cost per meter?
14. Lucas is a camp counselor during the summer for $250 per week. If Lucas works 5 hours per day and 5 days a week, what is Lucas making per hour?
15. Jason downloaded 288 pictures from his camera. Of the pictures, 38% are of his family. About how many pictures are of his family?
16. The original price of a DVD is $12. The sale price is 75% of the original price. Find the sale price of the DVD.
17. The original price of a sweater is $36. The sale price is 85% of the original price. What is the sale price of the sweater?
18. Twenty-one students in Michael’s classroom are wearing jeans. There are 25 students in his class. Michael says that 80% of his class is wearing jeans. Is Michael correct? Explain your reasoning.
19. Jana has $5. She wants to buy a notebook for $4.50. The sales tax is 7%. Does she have enough money? Explain your reasoning.
20. Catherine invested $22,000 into a start-up and profited 40% of her investment. If she pulls all her money invested and made out of the start-up company, how much money will she receive?