

Using Unit Rates

Express each rate as a unit rate.

1. \$50 for 4 days work

2. 3 feet of snow in 5 hours

3. \$22 for 5 dozen donuts

4. \$73.45 in 13 hours

5. 1,473 people entered the park in 3 hours

6. 11,025 tickets sold at 9 theaters

7. 100 meters in 12.2 seconds

8. 21.5 pounds in 12 weeks

9. $\frac{40 \text{ flowers}}{5 \text{ vases}}$

10. $\frac{6 \text{ cups}}{3 \text{ servings}}$

11. $\frac{\$120}{10 \text{ admission tickets}}$

12. $\frac{\$75}{5 \text{ video games}}$

13. $\frac{600 \text{ students}}{8 \text{ classes}}$

14. $\frac{32 \text{ pencils}}{4 \text{ boxes}}$

For numbers 15-19, decide which is the better buy. Show or explain your work.

15. You can buy 4 Granny Smith apples at Ben's Mart for \$0.95. SaveMost sells the same quality apples 6 for \$1.49.

For numbers 15-19, decide which is the better buy. Show or explain your work.

16. A 17-ounce box of cereal for \$4.89 or a 21-ounce box for \$5.69

For numbers 15-19, decide which is the better buy. Show or explain your work.

17. 6 cans of green beans for \$1 or 10 cans for \$1.95

For numbers 15-19, decide which is the better buy. Show or explain your work.

18. 1 pound 4 ounces of meat for \$4.99 of 2 pounds 6 ounces for \$9.75 (1 pound = _____ ounces)

For numbers 15-19, decide which is the better buy. Show or explain your work.

19. A 2-liter bottle of soda for \$1.39 or a 12-pack of 12-ounce cans for \$3.49 (Hint: 2 liters = 67.63 ounces)

20. CARS Gas mileage is the average number of miles you can drive a car per gallon of gasoline. A test of a new car resulted in 2,250 miles being driven using 125 gallons of gas. Find the car's gas mileage.

21. ART An auction in New York City, a 2.55-square inch portrait of George Washington sold for \$1.2 million. About how much did the buyer pay per square inch of the portrait?

22. Last season, a baseball player scored 14 runs in 18 games. This season, the baseball player scored 12 runs in 15 games. Find the number of runs scored per game in each season. Round your answers to the nearest hundredth. Then identify the season in which the player scored more runs per game.

23. At a lake there are 2 boat rental shops. Shop A charges \$210 for a 4-hour rental, and shop B charges \$228 for a 6-hour rental. Which shop charges more per hour? How much more expensive is this shop?