

Name: \_\_\_\_\_

# Practice & Problem Solving



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Leveled Practice In 12–17, find each part or percent.

12. What is 5% of 210?

$$x = \boxed{\phantom{000}} \times 210$$

$$x = \boxed{\phantom{000}}$$

13. What is 8.2% of 500?

$$x = \boxed{\phantom{000}} \times 500$$

$$x = \boxed{\phantom{000}}$$

14. What percent of 32 is 5.6?

$$p \cdot 32 = \boxed{\phantom{000}}$$

$$32p = \boxed{\phantom{000}}$$

$$\frac{32p}{32} = \frac{\boxed{\phantom{000}}}{32}$$

$$p = \boxed{\phantom{000}} = \boxed{\phantom{000}} \%$$

15. What is 35% of 10?

16. What percent of 75 is 33?

17. What is 2.25% of 24?

18. The meal tax at a restaurant is 5.5%. What is the meal tax on a dinner that costs \$24?

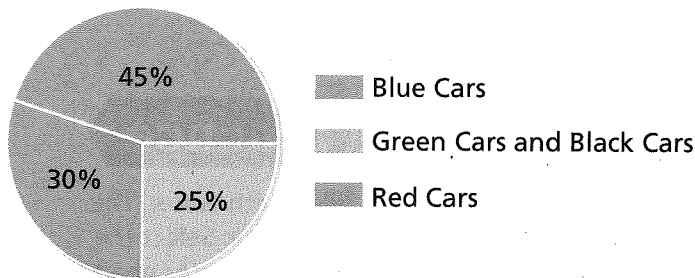
Dinner	\$24.00
MEAL TAX, 5.5%	
TOTAL	
Thank You • Please Come Again	

19. An electronics store donated a percentage of every sale to charity. The total sales were \$7,150, of which the store donated \$429. What percent of \$7,150 was donated to charity?

In 20–22, use the circle graph.

There are 180 cars in a parking lot. The colors of the cars are represented in the circle graph.

Cars in Parking Lot



20. How many blue cars are there?

21. How many red cars are there?

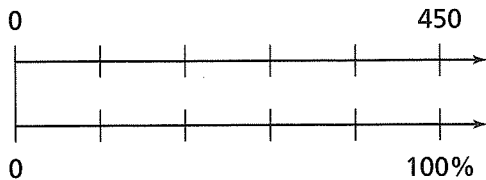
22. Reasoning There are 27 more green cars than black cars in the parking lot. What percentage of the cars in the parking lot are green? What percent are black?



23. The bank contains pennies, nickels, dimes, and quarters. There are 4 more nickels than pennies. How much money does the bank contain?



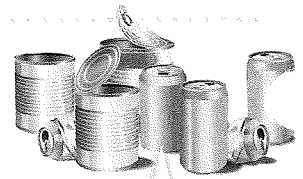
24. **Model with Math** How can you use the double number line diagram to find what percent of 450 is 270?



26. **Higher Order Thinking** Thomas has an album that holds 600 baseball cards. Each page of the album holds 6 cards. If 45% of the album is empty, how many pages are filled with baseball cards?

25. **Make Sense and Persevere** A movie complex is showing the same movie in three theaters. In theater A, 112 of the 160 seats are filled. In theater B, 84 seats are filled and 56 seats are empty. In theater C, 63 of the 180 seats are empty. Which theater has the greatest percent of its seats filled?

27. **Be Precise** Miguel collected aluminum cans for recycling. He collected a total of 150 cans. How many of the cans Miguel collected were not soda cans?



58% of the cans collected were soda cans.

## Assessment Practice

28. Ava's aquarium is 95% filled with water. The tank holds 1,120 gallons of water. Select the remaining number of gallons of water needed to fill the aquarium to the top.

- (A) 1,120 gallons
- (B) 1,010 gallons
- (C) 101 gallons
- (D) 56 gallons

29. Students set a goal of collecting 900 cans for the canned food drive. The number of cans they have collected so far is 82% of their goal. How many more cans do the students need to collect to reach their goal?

- (A) 162 cans
- (B) 180 cans
- (C) 720 cans
- (D) 738 cans

