

# Percent of a Number

## Guided Practice




Find the percent of each number. (Examples 1–4)

1.  $32\%$  of  $60 =$

2.  $0.55\%$  of  $220 =$

3.  $275\%$  of  $4 =$

4. Troy wants to buy a jersey of his favorite MLS team. The jersey is  $30\%$  off the original price. If the original price of the jersey is  $\$35$ , what is the amount Troy will save? (Example 5)

5.  **Building on the Essential Question** How do you find a percent of a number?

## Independent Practice

Go online for Step-by-Step Solutions

eHelp



The cafeteria at Midtown Middle School surveyed  $575$  students about their favorite food. Find the number of students that responded for each of the following. (Example 1)


1. chicken:  $8\% =$

2. salad:  $20\% =$

3. burgers:  $16\% =$

4. fruit:  $24\% =$

Find the percent of each number. (Examples 2–4)

5.   $0.9\%$  of  $1,000 =$

6.  $0.46\%$  of  $80 =$

7.  $350\%$  of  $96 =$

8.  $222\%$  of  $55 =$

9. The original price of a pair of shoes is \$42. The sale price is 20% off the original price. What is the amount off the original price?

EXAMPLE

10. Torri had \$20 to buy a birthday present for her dad. She decided to buy a DVD for \$18. The sales tax is 7%. Does she have enough money? Explain your reasoning.

11. Twenty-four students in Jamal's class are wearing tennis shoes. There are thirty students in his class. Jamal says that 70% of his class is wearing tennis shoes. Is Jamal correct? Explain your reasoning.

**Find the percent of each number.**

18. 6% of 95 =

5.7

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 $6\% = 0.06$   
 $0.06 \times 95 = 5.7$

19. 15% of 110 =

20. 75% of 260 =

21. 28% of 575 =

22. 0.6% of 36 =

23. 108% of 148 =

24. 102% of 750 =

25. 0.03% of 1,500 =

26. Brenna completes 65% of her first serves. If she attempted 80 first serves last match, how many did she complete?

27. Jack is mixing a cleaning solution that is 12% bleach. After mixing the solution, Jack has 150 ounces of cleaning solution. How many ounces of bleach did Jack use?

28. What is 38% of 250?

29. 76% of 524 is what number?

30. What is 26% of 360?

31. 55% of 387 is what number?