Lesson 1 Reteach

Percent of a Number

> To find the percent of a number, you can write the percent as a fraction and then multiply or write the percent as a decimal and then multiply.

Example 1

Find 25% of 80.

$$25\% = \frac{25}{100} \text{ or } \frac{1}{4}$$ Write 25% as a fraction, and reduce to lowest terms.

$$\frac{1}{4} \text{ of } 80 = \frac{1}{4} \times 80 \text{ or } 20$$ Multiply.

So, 25% of 80 is 20.

(handwritten)
$$24.\% = \frac{24}{100} = 0.24$$
$$75.\% = \frac{75}{100} = 0.75$$
$$4.\% = \frac{4}{100} = 0.04$$

Example 2

What number is 15% of 200?

$$15\% \text{ of } 200 = 15\% \times 200$$ Write a multiplication expression.

$$= 0.15 \times 200$$ Write 15% as a decimal.

$$= 30$$ Multiply.

So, 15% of 200 is 30.

(handwritten)
$$13.5\%$$
$$\frac{13.5}{100} = 0.135$$

Exercises

(handwritten) **"OF" TELLS YOU TO MULTIPLY**

Find each number.

1. Find 20% of 50. **10**

(handwritten) $20\% = 0.2 = \frac{2}{10}$

2. What is 55% of $400?

(handwritten) $0.55(400) = \$220$

3. 5% of 1,500 is what number? **75**

(handwritten) $5\% = 0.05 = \frac{5}{100}$

4. Find 190% of 20. **38**

5. What is 24% of $500? **$120**

(handwritten) $24\% = 0.24 = \frac{24}{100}$

6. 8% of $300 is how much? **$24**

7. What is 12.5% of 60? **7.5**

(handwritten) $12.5\% = 0.125 = \frac{125}{1000}$

8. Find 0.2% of 40. **0.8**

9. Find 3% of $800. **$24**

(handwritten) $3\% = 0.03 = \frac{3}{100}$

10. What is 0.5% of 180? **9**

11. 0.25% of 42 is what number? **10.5**

(handwritten) $0.25\% = 0.0025 = \frac{25}{10000}$, 0.105

12. What is 0.02% of 280? **5.6**

(handwritten) $0.25\% \quad \frac{1}{4} \text{ OF } 1\%$

Lesson 1 Skills Practice

Percent of a Number

Find each number.

1. Find 80% of 80. **64**

$80\% = 0.8 = \dfrac{8}{10}$

2. What is 95% of 600? **570**

3. 35% of 20 is what number? **7**

$35\% = 0.35 = \dfrac{35}{100}$

4. Find 60% of $150. **$90**

5. What is 75% of 240? **180**

$75\% = 0.75 = \dfrac{75}{100}$

6. 380% of 30 is what number? **114**

7. Find 40% of 80. **32**

$40\% = 0.4 = \dfrac{4}{10}$

8. What is 30% of $320? **$96**

9. 12% of 150 is what number? **18**

$12\% = 0.12 = \dfrac{12}{100}$

10. Find 58% of 200. **116**

11. What is 18% of $450? **$81**

$18\% = 0.18 = \dfrac{18}{100}$

12. What is 70% of 1,760? **1,232**

13. Find 92% of 120. **110.4**

$92\% = 0.92 = \dfrac{92}{100}$

14. 45% of 156 is what number? **70.2**

15. What is 12% of 12? **1.44**

$12\% = 0.12 = \dfrac{12}{100}$

16. Find 60% of 264. **158.4**

17. 37.5% of 16 is what number? **6**

$37.5\% = 0.375 = \dfrac{375}{1000}$

18. What is 82.5% of 400? **330**

19. What is 0.25% of 900? ~~225~~ **2.25**

$0.25\% = 0.0025 = \dfrac{25}{10000}$

20. Find 1.5% of 220. **3.3**