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.

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: $15\% = \frac{15}{100}$]

[handwritten: $\frac{600}{100} = 6$]

[handwritten: 620]

Exercises

[handwritten in red: "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: $0.55(400) =$]

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

[handwritten: $5\% = 0.05 = \frac{5}{100}$]

4. Find 190% of 20.

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

[handwritten: $24\% = 0.24 = \frac{24}{100}$]

6. 8% of $300 is how much?

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

[handwritten: $12.5\% = 0.125 = \frac{125}{1000}$]

8. Find 0.2% of 40.

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

[handwritten: $3\% = 0.03 = \frac{3}{100}$]

10. What is 0.5% of 180?

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

[handwritten: $0.25\% = 0.0025 = \frac{25}{10000}$]

12. What is 0.02% of 280?

[handwritten in red: 0.105]

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?

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

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

4. Find 60% of $150.

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

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

6. 380% of 30 is what number?

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

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

8. What is 30% of $320?

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

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

10. Find 58% of 200.

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

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

12. What is 70% of 1,760?

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

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

14. 45% of 156 is what number?

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

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

16. Find 60% of 264.

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

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

18. What is 82.5% of 400?

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

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

20. Find 1.5% of 220.