REVIEW: Percents

Key Concept and Vocabulary

\[ \frac{30}{100} \] is equal to 30 parts out of 100 parts.

Skill Examples

Find the percent.

1. 30% of 10 is 3:
   \[ \frac{30}{100} \cdot 10 = 3 \]
2. 25% of 8 is 2:
   \[ \frac{25}{100} \cdot 8 = 2 \]
3. 50% of 24 is 12:
   \[ \frac{50}{100} \cdot 24 = 12 \]
4. 75% of 80 is 60:
   \[ \frac{75}{100} \cdot 80 = 60 \]

Application Example

5. You earn $100,000 and have to pay 40% federal income tax. How much in federal income tax do you pay?
   \[ 40\% \text{ of } 100,000 = 40,000. \]
   You pay $40,000 in federal income tax.

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Check your answers at BigIdeasMath.com.

Find the percent.

6. 20% of 50 = ______ 7. 10% of 80 = ______ 8. 1% of 100 = ______ 9. 25% of 16 = ______
10. 30% of 40 = ______ 11. 100% of 5 = ______ 12. 60% of 60 = ______ 13. 75% of 40 = ______
14. 25% of 200 = ______ 15. 10% of 120 = ______ 16. 0% of 10 = ______ 17. 50% of 42 = ______

Shade the model to show the given percent.

18. 25% 19. 82% 20. 37%

21. TEST SCORE You take a test that has 20 questions and you get 80% of the questions correct. How many questions do you get correct? _____________

22. SALES TAX You buy $50 worth of clothes. The sales tax is 8%. How much sales tax do you pay? _____________