REVIEW: Percents

Name _____

Key Concept and Vocabulary

$$30\% = \frac{30}{100}$$

30 — Percent

per

cent (100)
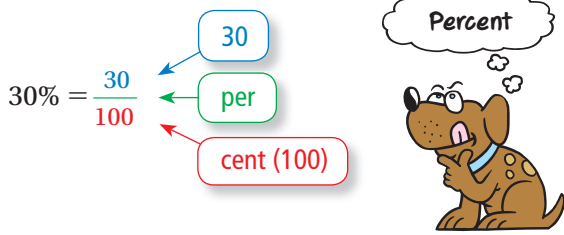
Visual Model

30% is equal to 30 parts out of 100 parts.
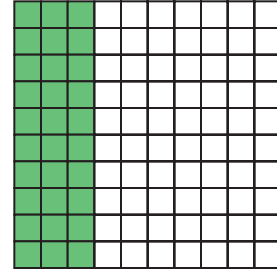
Skill Examples

30% of 10 is 3:

1. 30% of 10 is 3: $\dfrac{30}{100} \cdot 10 = 3$

2. 25% of 8 is 2: $\dfrac{25}{100} \cdot 8 = 2$

3. 50% of 24 is 12: $\dfrac{50}{100} \cdot 24 = 12$

4. 75% of 80 is 60: $\dfrac{75}{100} \cdot 80 = 60$

Application Example

5. You earn $100,000 and have to pay 40% federal income tax. How much in federal income tax do you pay?

$$\frac{40}{100} \cdot 100,000 = 40,000.$$

You pay $40,000 in federal income tax.

PRACTICE MAKES *PURR*-FECT®

Check your answers at BigIdeasMath.com.

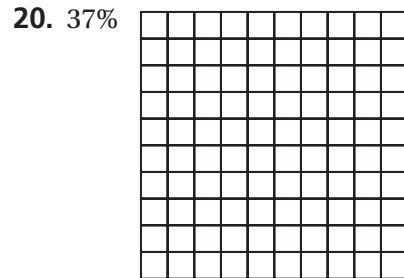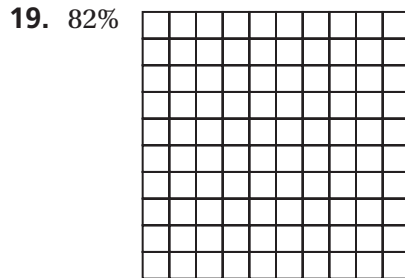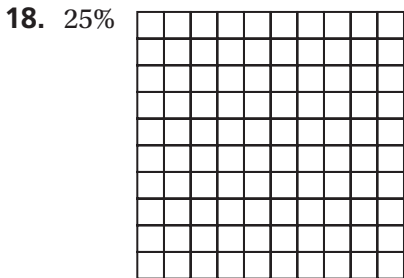**Find the percent of the number.**

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? _____