REVIEW: Percents

Key Concept and Vocabulary

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

30 ← (from 30)

per ← (from 100 bottom)

cent (100)

Percent
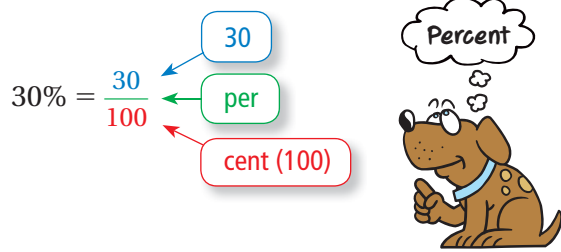
Visual Model

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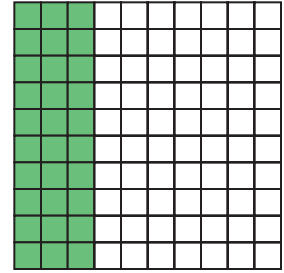
Skill Examples

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?

40% of 100,000 is 40,000.

∴ You pay $40,000 in federal income tax.
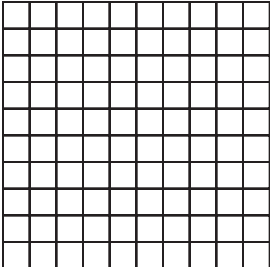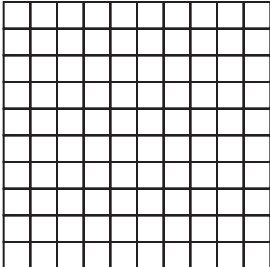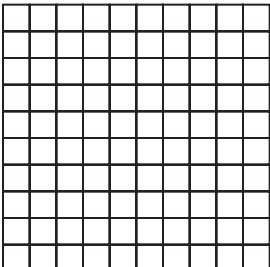
PRACTICE MAKES *PURR*-FECT™

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? _____