REVIEW: Percents and Fractions

Name _____

Key Concept and Vocabulary

$$35\% = \frac{35}{100} = \frac{5 \cdot 7}{5 \cdot 20} = \frac{7}{20}$$

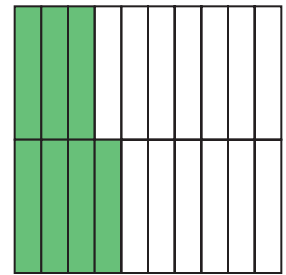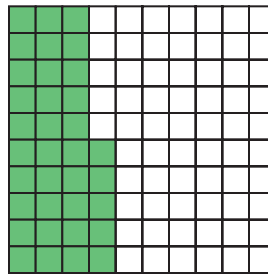Write as a fraction.

Write percent as a fraction in simplest form.

Visual Model

$$35\% = \frac{7}{20}$$

Skill Examples

1. $40\% = \frac{40}{100} = \frac{20 \cdot 2}{20 \cdot 5} = \frac{2}{5}$

2. $50\% = \frac{50}{100} = \frac{50 \cdot 1}{50 \cdot 2} = \frac{1}{2}$

3. $25\% = \frac{25}{100} = \frac{25 \cdot 1}{25 \cdot 4} = \frac{1}{4}$

4. $5\% = \frac{5}{100} = \frac{5 \cdot 1}{5 \cdot 20} = \frac{1}{20}$

Application Example

5. Your school's softball team won 30% of its games. Did the team win more than one-fourth of its games?

$$30\% = \frac{30}{100} = \frac{3 \cdot 10}{10 \cdot 10} = \frac{3}{10} \qquad \frac{3}{10} > \frac{1}{4}$$

Yes, the team won more than one-fourth of its games.

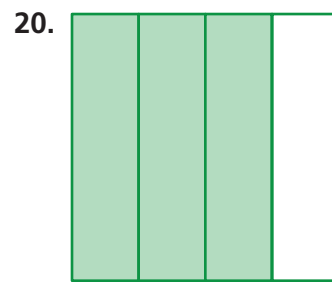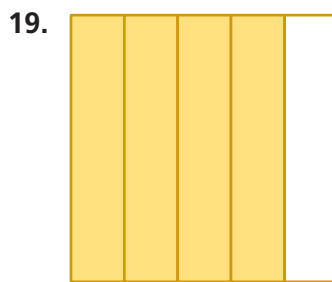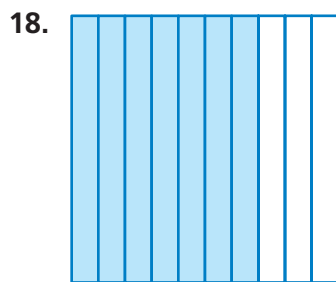## PRACTICE MAKES *PURR*-FECT®

Check your answers at BigIdeasMath.com.

Write the percent as a fraction in simplest form.

6. $20\% =$ _____

7. $45\% =$ _____

8. $7\% =$ _____

9. $32.5\% =$ _____

10. $15\% =$ _____

11. $1\% =$ _____

12. $150\% =$ _____

13. $33\frac{1}{3}\% =$ _____

Write the fraction as a percent.

14. $\frac{3}{20} =$ _____

15. $\frac{6}{5} =$ _____

16. $\frac{5}{8} =$ _____

17. $\frac{3}{5} =$ _____

Write the fraction represented by the model as a percent.

18.

_____

19.

_____

20.

_____

21. **SURVEY** Eighteen out of twenty people in a survey said that vanilla ice cream is their favorite flavor of ice cream. What percent is this? _____

22. **SPANISH LANGUAGE** Twelve of the 40 students in your class can speak Spanish. What percent is this? _____