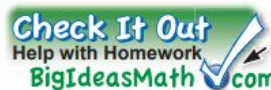


5.5 Exercises



Vocabulary and Concept Check

1. **WRITING** Explain how you can use a 10-by-10 grid to model 42%.


4. **NUMBER SENSE** Can $1\frac{1}{4}$ be written as a percent? Explain.

Write the percent as a fraction or mixed number in simplest form.

16. 8% _____

18. 0.25% _____

20. **ERROR ANALYSIS** Describe and correct the error in writing 225% as a fraction.

 $225\% = \frac{225}{1000} = \frac{9}{40}$


Write the fraction or mixed number as a percent.

26. $\frac{18}{25}$ _____

27. $1\frac{17}{20}$ _____

28. $2\frac{41}{50}$ _____

29. **ERROR ANALYSIS** Describe and correct the error in writing $\frac{14}{25}$ as a percent.

 $\frac{14}{25} = \frac{14 \times 4}{25 \times 4} = \frac{56}{100} = 0.56\%$

30. **LEFT-HANDED** Of the students in your class, 12% are left-handed. What *fraction* of the students are left-handed? Are there more right-handed or left-handed students? Explain.

Find the percent.

34. 9 is what percent of 16? _____

38. **CRITICAL THINKING** A school fundraiser raised 120% of its goal last year and 125% of its goal this year. Did the fundraiser raise more money this year? Explain your reasoning.



Fair Game Review what you learned in previous grades & lessons

Divide. Write the answer in simplest form. (Section 2.2)

41. $\frac{1}{6} \div \frac{1}{3}$

42. $9 \div \frac{3}{4}$

43. $10 \div \frac{5}{8}$

44. $\frac{1}{6} \div 2$

45. **MULTIPLE CHOICE** Which of the following is *not* equal to 15? (Section 2.1)

(A) $\frac{3}{4} \cdot 20$

(B) $\frac{5}{9} \cdot 27$

(C) $35 \cdot \frac{3}{7}$

(D) $28 \cdot \frac{5}{7}$

41. _____

42. _____

43. _____

44. _____

