Name _____ Date _____ Class _____

LESSON 6

Proportional Relationships

Practice C: Percents, Decimals, and Fractions

Write each decimal as a percent and as a fraction or mixed number.

1. 0.96 _____
2. 0.04 _____
3. 0.28 _____
4. 0.65 _____
5. 0.32 _____
6. 0.005 _____
7. 1.13 _____
8. 2.08 _____
9. 3.002 _____

Write each fraction as a percent and as a decimal. Round to the nearest hundredth if necessary.

10. $\frac{12}{13}$ _____
11. $\frac{22}{27}$ _____
12. $\frac{15}{26}$ _____
13. $\frac{9}{31}$ _____
14. $\frac{34}{35}$ _____
15. $\frac{11}{23}$ _____

Compare. Write <, >, or =.

16. $\frac{12}{17}$ ____ 77%
17. 0.18 ____ $\frac{11}{25}$
18. $\frac{11}{50}$ ____ 0.22
19. $\frac{21}{33}$ ____ 80%
20. 0.4 ____ $\frac{9}{32}$
21. $\frac{5}{16}$ ____ 28%

22. During a sale, everything in the store was $\frac{1}{5}$ off the ticketed price. What percent of an item's original price should you expect to pay?

23. Your teacher has offered you a choice for your 50 homework problems. You can do 48% of the problems, all of the even-numbered problems, or $\frac{3}{5}$ of the problems. Which option will you choose? How many problems will you have to do for homework?

Name _____ Date _____ Class _____

LESSON 6

Proportional Relationships

Challenge: Trash or Treasure?

People in the United States produce about 208 million tons of garbage every year! We recycle about 56 million tons of that garbage, or about 27% of the total.

Complete the chart at right. Then display the percents on the circle graph below. Remember to give your graph a title. Label each section of the graph with the material and the percent of the total garbage recycled that each section represents. You may wish to color each section differently or add illustrations.

United States Recycling

Material	Total Garbage Recycled	
	Fraction	Percent
 Metals	$\frac{1}{10}$	
 Yard Waste	$\frac{17}{100}$	
 Glass	$\frac{3}{50}$	
 Paper	$\frac{29}{50}$	
 Plastics	$\frac{1}{50}$	
 All Other Materials	$\frac{7}{100}$