

Lesson
5.1
Extra Practice

D 2 P

Write the percent as a decimal or the decimal as a percent. Use a model to represent the number.

1. 81% $.81$ 2. 0.91 91% 3. $.5\%$ $.005$ 4. 8% $.08$
 5. 0.3% $.003$ 6. 78% $.78$ 7. 0.167 16.7% 8. 0.293 29.3%
 9. 3.82 382% 10. 210% 2.1 11. 100.8% 1.008 12. 0.125 12.5%

13. Your friend writes 1.475% as a decimal. Is your friend correct? Explain your reasoning.

$$1.475\% = 1.475\% = 147.5\% \quad .01475 \quad \text{no 2 places to the left}$$

Write the fraction as a decimal and a percent.

14. $\frac{1}{4}$ 0.25 25% 15. $\frac{4}{3}$ $1.\bar{3}$ $133.\bar{3}\%$ 16. $\frac{3}{5}$ 0.6 60% 17. $\frac{7}{10}$ $.7$ 70%
 18. $\frac{1}{150}$ $.00\bar{6}$ $\bar{6}\%$ 19. $\frac{7}{25}$ 0.28 28% 20. $\frac{2}{11}$ $0.\bar{18}$ $18.\bar{18}\%$ 21. $\frac{14}{5}$ 2.8 280%
 22. $\frac{5}{9}$ $0.\bar{5}$ $55.\bar{5}\%$ 23. $\frac{13}{20}$ 0.65 65% 24. $\frac{2}{25}$ 0.08 8% 25. $\frac{10}{3}$ $3.\bar{3}$ $333.\bar{3}\%$

26. Fifty-four percent of the students in your class have moved at least one time. Write this percent as a decimal. 54% $.54$

27. Only 0.15 of the total number of vehicles in your school parking lot are buses. What percent of the vehicles are buses? 15%

28. You spent 0.88 of your allowance this week. What percent of your allowance did you spend? 88%

29. On a history test, you get $\frac{43}{50}$ of the possible points. Write a decimal and a percent that represent your score. 0.86

30. Of the fluid that you drink on a typical day, $\frac{1}{10}$ is milk and 50% is water. How many times more water do you drink than milk?

$$0.1 \quad .50$$

5 times more water

$$\begin{array}{r} 0.0066 \\ 150 \overline{)1000} \\ \underline{900} \\ 1000 \end{array}$$