

Name \_\_\_\_\_ Date \_\_\_\_\_

**Chapter**  
**5**

**Test A Review**

1. Write 91% as a decimal.
2. Write the decimal 0.33 as a percent.
3. Write  $\frac{11}{20}$  as a percent.
4. What percent of 75 is 9?
5. What number is 28% of 25?
6. 35% of what number is 35?
7. 102.5 is what percent of 125?
8. 48 is 32% of what number?

**Find the percent of decrease or increase. Round to the nearest tenth of a percent.**

9. percent of increase from 43 to 78
10. percent of decrease from 30 to 22
11. You estimate that there are 40 marbles in a jar. The actual amount is 48 marbles. Find the percent error. Round to the nearest tenth of a percent.
12. Find the sale price of a \$70 item after a 20% discount.
13. Find the original price of a salt lamp that is \$92 after a 20% discount.



Name \_\_\_\_\_

Date \_\_\_\_\_

**Chapter**  
**5**

**Test A** (continued)

WSIVS.8

14. Find the selling price of a \$30 item after a 40% markup.
15. You deposit \$900 in a savings account. The account earns 4% simple interest per year.
- What is the interest earned after 8 years?
  - What is the balance after 8 years?
16. You deposit \$200 in an account. The account earns \$15 simple interest in 3 years. What is the annual interest rate?
17. How long does it take an account with a principal of \$600 to earn \$90 in interest at a simple annual interest rate of 5%?
- ~~18.~~ 80% of a number is  $x$ . What is 100% of the number? Assume  $x > 0$ .
- ~~19.~~ Account A has a simple annual interest rate of 3% and account B has a simple annual interest rate of 3.5%. How much more interest do you earn per year when you deposit  $x$  dollars in account B instead of account A?
20. Order the numbers 71.2%,  $\frac{3}{4}$ , and 0.742 from least to greatest.
21. Identify the percent of change from  $\frac{2}{5}$  to  $\frac{5}{15}$  as an *increase* or a *decrease*. Then find the percent of change. Round to the nearest tenth of a percent.
- ~~22.~~ Shelter A has a capacity of 300 beds and is 70% occupied. Shelter B is 35% occupied. The ratio of the occupancy of Shelter A to Shelter B is 2 : 5. How many beds are in Shelter B?