

Name \_\_\_\_\_

Pd: 2/4

Date: 1/11/18

Math 7

Chapter 2 Study Guide

Complete Study Guide

When solving any of these percent problems use the percent equation or the percent proportion except when estimating.

Find each number. Round to the nearest hundredth if necessary.

1.  $5\frac{1}{2}\%$  of 60

2. 1000% of 99

3. 0.3% of 80

4. Of the 60 books on a bookshelf, 24 are nonfiction. What percent of the books are nonfiction?

5. 12.5% of what number is 24?

6. What percent of 300 is 0.6?

7. 30 is what percent of 64?

8. What number is 53% of 470?

Estimate to the nearest whole percent. DO NOT use the exact numbers unless they are already rounded to reasonable number.

9. 47% of 70

10. 224% of 320

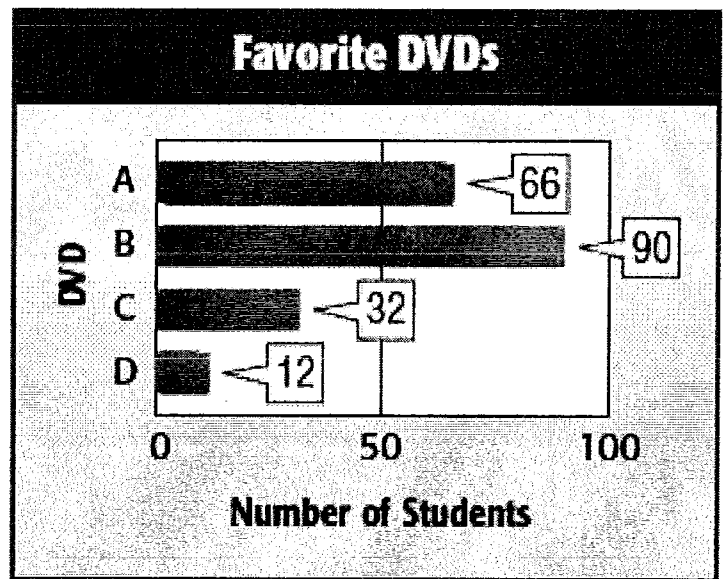
11. 0.4% of 510

12. The United States has 12,383 miles of coastline. If  $\frac{4}{5}\%$  of the U>S> coastline is located in Georgia, about how many miles of coastline are in Georgia?

For exercise 13-14, refer to the graph that shows the results of a survey of 200 students' favorite DVDs.

13. What percent of the students preferred DVD A?

14. Which DVD did about 15% of student prefer?



Find each percent of change. Round to the nearest whole percent if necessary. State whether the percent of change is an increase or decrease.

15. 48 notebooks to 18 notebooks

16. \$11.70 to \$15.60

17. Between 2006 and 2007, music phone owners increased from 6.8 million to 33 million. Find the percent of increase. Round to the nearest whole percent.

Find the TOTAL COST or SALE PRICE to the nearest cent.

18. \$58 ski lift ticket; 20% discount

19. \$1,250 computer; 7.5% tax

Find the original price to the nearest cent.

20. Calendar: discount, 75%  
sale price, \$3.25

Find the simple interest earned to the nearest cent for each principal, interest rate, and time.

21. \$1,550, 3.6%, 2 years

Find the simple interest paid to the nearest cent for each loan, interest rate, and time.

22. \$725, 6.25%, 1 year

23. Leon charged \$225 at an interest rate of 12.5%. How much will Leon have to pay after one month if he makes no payments?

24. David bought a computer for \$600 using his credit card. The interest rate on his credit card is 19%. How much will he pay in all for the computer, if he pays off the balance at the end of 2 years?