

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

## Chapter 2 Test Study Guide

**Show all work and circle your answer.**

*Write each decimal as a fraction or mixed number in simplest form.*

1. 0.37

2. 14.31

*Write each fraction or mixed number as a decimal.*

3.  $\frac{5}{6}$

4.  $19\frac{1}{4}$

*Write each percent as a fraction in simplest form.*

5. 56%

*Write each fraction as a percent.*

6.  $\frac{3}{25}$

*Express the percent as a decimal.*

7. 15%

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

8. 175%

9. 0.05%

*Write the percent as a decimal.*

10. 331%

11. 0.81%

*Write each fraction as a percent.*

12.  $5\frac{21}{25}$

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Write each decimal as a percent.

13. 5.256

14. 0.0069

Replace each  $\bigcirc$  with  $<$ ,  $>$ , or  $=$  to make a true statement.

15.  $\frac{1}{4}$   $\bigcirc$   $\frac{4}{16}$

16.  $\frac{1}{5}$   $\bigcirc$  0.22

Order the set of numbers from least to greatest.

17. 0.02,  $\frac{1}{5}$ , 0.1

Estimate each percent.

18. 15% of 301

19. Find 88% of 300 using fractions.

### Multiple Choice

20. 50 is 25% of what number?

21. 8 is 40% of what number?

22. 20% of a store's sales are toys. If the store sells \$1,200 in toys during one month, what are the store's total sales?

23. If you answered 18 out of 76 questions incorrectly on a quiz, *about* what percent of your answers were correct? Explain your reasoning.

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### Answer Key

1.  $\frac{37}{100}$

2.  $14\frac{31}{100}$

3.  $0.\overline{83}$

4. 19.25

5.  $\frac{14}{25}$

6. 12%

7. 0.15

8.  $1\frac{3}{4}$

9.  $\frac{1}{2,000}$

10. 3.31

11. 0.0081

12. 584%

13. 525.6 %

14. 0.69%

15. =

16. &lt;

17. 0.02, 0.1,  $\frac{1}{5}$

18. 45

19. 264

20.

21.

22.

23. About 80% of the questions were answered correctly.

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