Name: _____

Date: _____ Grade: _____

Basic Math Skills

CHAPTER 2 TEST

Congratulations on completing this chapter! ***Answer the following questions to test your understanding of the material. When you finish, hand in your test to your teacher for a final grade. Each answer is worth 1.72 points.***

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1. The answer to a division problem is known as the _____.

2. A _____ is a collection of objects.

3.The numbers 1, 2, 3, 4, 5, 6, 7, 8, 9 are known as _____ numbers.

4. Division by _____ is undefined.

5. To change a fraction into a decimal, _____ the numerator by the denominator.

6. In a division problem, the _____ is the number being divided.

7. In a division problem, the _____is the number of times something is divided.

8. The location of the decimal point in the product is determined by _____ the total number of decimal places in all the factors.

9. Determine if the number to the left is greater than or less than the number on the right. Write the correct symbol in the blank. 12 ___ 11

10. The Roman Numeral for the number 8 is _____.

11. Find the next number in the set given and write it in the blank provided.
{3, 6, 9, 12, 15, 18…} _____

Label the following parts of a fraction.

12. _____

13. _____ $\frac{3}{5}$

14. _____

15. Write IP (improper fraction), P (proper fraction) or U (undefined fraction) beside the fraction to designate if the fraction is improper, proper or undefined: $^{15}/_{7}$ _____

16. Write the number 6 as a fraction. _____

Write the value of the fractions on the blanks provided.

17. $^{0}/_{6}$ _____

18. $^{1}/_{0}$ _____

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Fill in the blank with the correct decimal or fraction.

19. _____ = .25

20. $^{3}/_{5}$ = _____

Change these decimals into fractions. Write the answers on the blanks.

21. .9 = _____

22. .13 = _____

Add or Subtract.

23. 8.35
+ 2.73

24. 21.325
- 4.235

25. Jimmy played Little League baseball during the summer. Jimmy batted 25 times and had 8 hits. What was Johnny's batting average? _____ (Show all your calculations. Batting average is: number hits divided by number of times at bat.)

Fill in the blanks and work the problems.

26. A fraction combined with a whole number is called a _____.

27. If two fractions are _____ , then they have the same value.

28. In a proper fraction the numerator is _____ than the denominator.

29. If the denominator of a fraction divides the numerator evenly with no remainder, then the decimal equivalent will be a _____ decimal.

30. If a group of digits in a decimal repeat indefinitely, then the decimal is a _____ decimal.

31. The repeating portion of a repeating decimal is signified by three dots or a _____ over the repetend.

32. Add the following. Show your work. Remember to write answers in the proper form.
$^{3}/_{12} + 3^{2}/_{12} + {}^{24}/_{12}$ = _____

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33. Subtract the following. Show your work. Remember to write answers in the proper form.
$3\frac{1}{4} - 2\frac{3}{4}$ = _____

34. Determine if the following decimal is terminating or repeating. Place a T for terminating or an R for repeating on the blank provided. $.\overline{23}$ _____

35. The multiplicative inverse of a number is called the _____ of that number.

36. To _____ means to "divide out" factors in a fraction.

37. The process of splitting a number into all its various factors is called _____.

38. Multiply the following fractions. $\frac{2}{7} \times \frac{5}{3} \times \frac{2}{5}$ = _____

39. Divide the following fractions. Show your work. Reduce answers to simplest form.
$\frac{4}{5} \div \frac{2}{5}$ = _____

40. Work the following problems. Reduce answers to lowest terms. $2\frac{5}{8} - 1\frac{2}{3}$ = _____

41. Round the number, 123.965… to the hundredths place. _____

42. Show mathematically: the ratio of four to five. _____

43. An equation of two ratios separated by an equal sign is called a _____.

Write "Yes" on the blank if the equation represents a proportion. Write "No" if it does not. (Remember the two ratios must be equal to be a proportion. Cross-multiplication is the operation to perform.)

44. $\frac{1}{2} = \frac{8}{16}$ _____

45. $\frac{3}{2} = \frac{15}{12}$ _____

Fill in the blank.

46. Percent means for every _____.

47. 50% = _____ (fraction).

48. The symbol, %, means the denominator of the fraction will be _____.

49. 66.6% = _____ (decimal).

50. The definition of percent is: $n\%$ = _____.

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Solve the following equations involving percent. Show your work in the space provided.

51. Sam invested $1500.00 for one year and received $300.00 in interest. The interest rate Sam received on his money was _____.

52. The formula for simple interest is _____ = _____.

53. Professor K invested $2,000.00 for two years at a simple interest rate of 5%. Calculate the amount of interest Professor K will have gained at the end of the two years.

_____

Choose the best meaning for each Life Principle.

54. *"The borrower is servant to the lender."*

(a) Borrowers and lenders serve each other's interests.
(b) Those who borrow are under obligation to those who lend.
(c) You should not borrow anything unless you are willing to become a servant.

55. *"Clean never rubs off on dirty, but dirty always rubs off on clean."*

(a) Clean hands always get dirty again.
(b) Very dirty hands are often rubbed off on something clean.
(c) Bad companions soil a clean lifestyle, but a clean life rarely cleans up a dirty lifestyle.

56. *"Take care of the pennies and the dollars will take care of themselves."*

(a) Our job is to take care of the pennies and forget the dollars that can fend for themselves.
(b) If we take care of the seemingly little things in life, the bigger things will work out because big things are made of smaller things.
(c) The penalty for not watching your pennies is that you miss the joy of saving for a "rainy day."

57. *"Patience is the companion of wisdom."*

(a) Patience is a part of wise behavior.
(b) All things (including wisdom) come to him who waits patiently.
(c) Companionship includes patience and wisdom.

58. *"People who plan to succeed often do. People who don't plan usually don't succeed."*

(a) People who don't plan may still succeed.
(b) People who plan ahead may still fail.
(c) Planning is a key factor in success.

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