

Name \_\_\_\_\_ Test Date 10/28/15 Parent Signature \_\_\_\_\_

## Unit 2 Assessment: Multiplication – Part II Study Guide

For the following, fill in the blank to make the equation true then identify the property it defines.

Distributive Property  
Associative Property

Commutative Property  
Identity Property of Multiplication

Zero Property of Multiplication

1.)  $1 \times \underline{\quad} = 11$  \_\_\_\_\_

2.)  $105 \times 0 = \underline{\quad}$  \_\_\_\_\_

3.)  $\underline{\quad} \times 1,819 = 1,819 \times 296$  \_\_\_\_\_

4.)  $(17 \times 32) \times 12 = 17 \times (\underline{\quad} \times 12)$  \_\_\_\_\_

5.)  $17 \times 154 = (10 \times 100) + (10 \times 50) + (10 \times 4) + (7 \times \underline{\quad}) + (7 \times 50) + (7 \times 4)$  \_\_\_\_\_

For the following, find the product. Show all work. Double check your answers.

6)  $98 \times 9 = \underline{\quad}$

7)  $103 \times 7 = \underline{\quad}$

8)  $31 \times 4 = \underline{\quad}$

9) 
$$\begin{array}{r} 70 \\ \times 46 \\ \hline \end{array}$$

10) 
$$\begin{array}{r} 380 \\ \times 12 \\ \hline \end{array}$$

11) 
$$\begin{array}{r} 24 \\ \times 87 \\ \hline \end{array}$$

12) 
$$\begin{array}{r} 14 \\ \times 87 \\ \hline \end{array}$$

For the following, estimate the product.

13)  $72 \times 8 = \underline{\quad}$

14)  $\$194 \times 59 = \underline{\quad}$

**For the following problems, write an equation using variables to represent each situation, and then solve. Show all work!**

15) Trey's new bike cost \$2,010 dollars. He makes a \$125 deposit then makes 7 payments of \$155 each. Will he have paid for the bike? Show work

16) For two days straight, Molly made 18 batches of muffins for the bake sale. Each batch makes 26 muffins. Her dog Mitzi ate a dozen of them. How many muffins did Molly have left for the sale?

17) Yeseo bought 21 shirts for \$13 each for her soccer team. She also bought 23 balls for \$17 each. **About** how much did she spend on the shirts?

**Solve the following problems.**

18)  $21,960 + 299 =$  \_\_\_\_\_

21)  $72 \div 9 =$  \_\_\_\_\_

20)  $387 - 299 =$  \_\_\_\_\_

22)  $36 \div 12 =$  \_\_\_\_\_

23) **Use <, >, or =.**  $114 \times 5$  \_\_\_\_\_  $115 \times 4$

24) List the first five multiples of 7. \_\_\_\_\_

**For the following, fill in the blank with the correct number. State the property used.**

25)  $116 \times 33 =$  \_\_\_\_\_  $\times 116$  \_\_\_\_\_

26)  $(159 \times 27) \times 76 = 159 \times$  ( \_\_\_\_\_  $\times 76)$  \_\_\_\_\_

27)  $296 \times 15 = (200 \times 15) +$  ( \_\_\_\_\_  $\times 15) + (6 \times 15)$  \_\_\_\_\_

Solve the following problems.

28)  $8 \times 6 =$  \_\_\_\_\_

29)  $8 \times 600 =$  \_\_\_\_\_

30)  $800 \times 60 =$  \_\_\_\_\_

31) Write the following number in standard form.

- 5 hundreds
  - 15 ones
  - 6 ten thousands
  - 1 millions
  - 5 hundred thousands
- 

32) Make an area model to show  $321 \times 6$ , and then solve.



33) Use the Base 10 Grid Paper to draw a model for the multiplication problem. Then, use the model to find the answer.

$12 \times 21 =$  \_\_\_\_\_

