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

There can be many methods to get a correct answer. These are some examples.

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

Distributive Property Commutative Property Zero Property of Multiplication Associative Property Identity Property of Multiplication

5.) 
$$17 \times 154 = (10 \times 100) + (10 \times 50) + (10 \times 4) + (7 \times 100) + (7 \times 50) + (7 \times 4)$$

Property

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

7) 
$$103 \times 7 = 721$$
 8)  $31 \times 4 = 124$ 

For the following, estimate the product.

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 \$2010 dollars. He makes a \$125 deposit then makes 7 payments of \$155 each. Will he have paid for the bike? Show work

Answers can vary this is one way	\$155 x 7 = <b>\$1,</b> 085	1 5 5	7 x 5 = 35
40040 A407 (A477 T)	<b>7,00</b> / 1 - <b>7,100</b>	x 7	7x5 = 35 + 3 = 38
\$2010 = \$125 + (\$155 x 7) T = total cost of bike	\$125 + \$1085 = <b>\$1,210</b>	1085	7x1 = 7 + 3 = 10
D = deposit P = payments	No, Trey would have only paid \$1210 and the bike		
$T = D + (P \times 7)$	cost \$2010. He needs \$2010 – 1210 or \$800 more dollars.		

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?

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Methods can vary. This is one way.

(18 x 26) x 2 = 936

936-12 = 924

924 muffins
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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**?

Answers can vary this is one way ABOUT...

ABOUT... 
$$21 \rightarrow 20$$
 \$13 \to \$10

about 20 x \$10 = \$200

(S x C) = Money spent on Soccer shirts

Solve the following problems.

24) List the first five multiples of 7.

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

27) 
$$296 \times 15 = (200 \times 15) + (90 \times 15) + (6 \times 15)$$
 Distributive Property

- 31) Write the following number in standard form.
  - 5 hundreds
- 1 millions
- 15 ones
- 5 hundred
- 6 ten thousands

thousands

5 hundreds = 
$$5 \times 100 = 500$$
  
15 ones =  $15 \times 1 = 15$   
6 ten thousands =  $6 \times 10,000 = 60,000$   
1 millions =  $1 \times 1,000,000 = 1,000,000$   
5 hundred thousand =  $5 \times 100,000 = 500,000$   
1,560,515

35) Make an area model to show 321 x 6, and then solve.

**12** 

1,800 + 120 + 6 = 1,926

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

