

Name: _____

Date: _____

Please check your child's work for accuracy & understanding. Thank you! Parent Signature _____

Unit 3: Multiplication Test Part I Study Guide

Read each questions carefully! Be sure to answer ALL parts of the question. Don't forget the units! Show your work!

1) Find the product of 82 and 5. **410**

2) What is 10 times more than thirty thousand, four hundred twenty-one? **304,210**

3) An Xbox cost \$135. An Xbox One costs 3 times as much. How much does the Xbox One cost? Write a number sentence that could be used to determine the Xbox One's cost.

$$\text{\$}135 \times 3 = n$$

How much does it cost? **\\$405**

4) Solve for 3×5 by drawing a rectangular array.

xxxxx

xxxxx

xxxxx or anything similar with 3 down and 5 across

5) Solve:

$$\begin{array}{r} 675 \\ \times 3 \\ \hline 2,025 \end{array}$$

6) Allie baked 34 muffins. Chase baked 4 times more muffins than Allie baked. How many muffins did Chase bake? Show the equation with your answer.

$$\text{Equation: } 34 \times 4 = m$$

Chase baked **136** muffins.

7) $8 \times 3 = \underline{\text{24}}$

$$80 \times 30 = \underline{\text{2,400}}$$

$$80 \times 300 = \underline{\text{24,000}}$$

$$800 \times 3000 = \underline{\text{2,400,000}}$$

8) Which of the following are prime numbers?

22, 61, 51, 23, 39, 52, 71

61, 23, 71

9) What is the product of 8 and 409? **3,272**

10) List the first 3 multiples of 12. **12, 24, 36**

11) Which of the following are composite numbers?

42, 17, 31, 27, 45, 53

42, 27, 45

12) $6 \times 5 = 30$

$60 \times 50 = 3,000$

$60 \times 500 = 30,000$

13) The city of Lawrenceville has a population of 10,952 and Collins Hill has 9,109 more people. About how many people live in Collins Hill?

$11,000 + 9,000 = 20,000$ people

14) Mackenzie needs to sell Girl Scout cookies. She is required to sell at least 9 cases of cookies with 36 boxes in each case in order to earn her badge. How many boxes of cookies must Mackenzie sell?

$36 \times 9 = 324$ boxes of cookies

15) Javen's grandfather is 7 times as old as he is. If Javen is 12, how old is his grandfather? **Write an equation and solve.** $12 \times 7 = g$

84 years old

16) List the factors for 64:

1, 2, 4, 8, 16, 32, 64

It is 2,619 miles from Suwanee to Chicago. You travel 573 miles on the first day, 207 miles on the second day and 173 miles on the third day. How many miles have you traveled already? **953 miles** How many more miles did you travel on day **2** compared to day **3**? **34 miles**

17) Over the past 4 days, Amy has baked 119 cookies per day at her mom's bakery. How many cookies did Amy bake in all?

476 cookies

18)

$814 \times 7 = 5,698$

19)

$3,291 \times 4 = 13,164$

Estimate the sum or difference:

20) $10,902 - 8,635 = 2,000$

21) $199,562 + 72,503 = 270,000$

22) Model 23×6 two ways. **Some possible answers: Draw arrays, draw area models**

Solve:

23) $27 \div 9 = 3$

24) $45 \div 5 = 9$

25) What is the fourth multiple of 9? **36**

26) LCE sold 979 key chains on Week 1 and 813 key chains on Week 2. **About** how many more key chains did they sell in Week 1 than in Week 2? **200 key chains**

27) How many times larger is the 4 in 94,160 than the 4 in 8,904? **1,000 times**

28) How many 10s are in 592? **59 tens**

Use the following number to answer the following questions. **3,465,201**

29) What digit is in the thousands place? **5**

30) Round the number to the nearest ten thousand. **3,470,000**