**Math Unit 2 Study Guide**

**Multiplication and Division**

**Name:**  **Test Date: Study Guide Due:**

1. How do you correctly show the following addition sentence as a multiplication equation? 7+7+7+7+7+7=

1a. Draw a picture to represent the multiplication equation.

1b. Draw an array to represent the multiplication equation.

1. Write a math story problem to illustrate 5 x 3.

1. Write a math story problem to illustrate 18 ÷ 9.

1. Mrs. Gilbert has 24 pencils to divide among eight children. If each child gets an equal amount of pencils, how much will each child receive?

**Show Your Work:**

1. Draw an array for the following multiplication equations.

**7x4 9x4 5x3**

1. Write a repeated addition sentence for each multiplication equation.

**7x4**

**9x4**

**5x3**

1. Compare the two values.

40 ÷ c = 8

20 ÷ c = 4

What do you notice about the two division equations? Explain your reasoning.

1. Answer the questions using the equation below.

3 x =21

What is the value of the missing number? Rewrite the equation using the inverse operation.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. The array below models how to use the Distributive Property to solve 6 x 8. Write the correct equation that matches the model.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

**6 x 8 = ( x ) + ( x ) =**

1. There are 56 ice cream cones at the carnival and each student gets an equal number of ice cream cones. If there are eight students at the carnival, how many ice cream cones will each student receive?

Show your work. Answer

1. Complete the fact family below for: **6, 54, 9**
2. Mrs. Gilbert, Mrs. McDonald, and Mrs. Rogers instructs the class to multiply 5 by four tens. They then say to multiply 7 by six tens. Write a multiplication sentence for the following equations.