Math Topic 6 Study Guide – Using Known Multiplication Facts

***\*\*Practice your multiplication facts for 0-10\*\****

**Target: I can use the Distributive Property to break a multiplication fact into the sum of two smaller facts.**

* This array shows **5 x 4**:
* I can break the array into two smaller arrays:

**2 x 4**

 **3 x 4**

* **This shows that 5 x 4 = (2 x 4) + (3 x 4)**

**Draw a line to separate each array into two new arrays. Write the new facts, and then find the product.**

 **4 x 4 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**4 x 4 = \_\_\_\_\_\_\_\_**

 **7 x 4 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 **7 x 4 = \_\_\_\_\_\_\_\_\_\_\_\_**

**Target: I can use 3 as a factor.**

1. There are 3 periods in a hockey game. How many periods are there in 5 hockey games?

**Target: I can use 4 as a factor.**

1. Mr. Hernandez bought 8 bags of limes. Each bag had 4 limes. How many limes did he buy?

**Target: I can use 6 and 7 as a factor.**

1. Tasha has 6 bags with 9 carrots in each. How many carrots does she have in all?
2. Michael buys 7 boxes of cookies. Each box has 8 cookies in it. How many cookies did he buy in all?

**Target: I can use 8 as a factor.**

1. The Cougars basketball team has 8 players. The coach ordered 3 shirts for each player. How many shirts did he order?

**Target: I can multiply with 3 Factors.**

1. Sven feeds his fish 2 food pellets 3 times a day. How many pellets does he feed them in 7 days?
2. Aaron bought 3 sheets of stickers. Each sheet has 5 rows with 4 stickers in each row. How many stickers did Aaron buy?

**Target: I can use multiplication to find the number of possible combinations of objects in a problem.**

1. Robin can choose one main dish: steak, chicken, or fish. She can choose one side dish: peas, corn, squash, beans, potatoes, okra, or spinach. How many different combinations of one main dish and one side dish are there?
2. Ted needs to buy a shirt and pants for his school uniform. He can buy a white, blue, or yellow shirt. He can buy black, brown, or tan pants. How many different combinations of a shirt and pair of pants could Ted buy?

**Target: I can solve multi-step problems.**

1. Lily put new light switch covers in her house. She put in 4 plastic covers and 2 wooden covers. Each cover had 2 screws. How many screws did she use?
2. Marshall bought 3 sandwiches for $7 each. He paid with a $50 bill. How much change should Marshall get?