Math Topic 8 Study Guide – Division Facts

**Target: I can name related multiplication and division facts.**

What number is missing in the equations below?

1. 8 x = 56

1. x 6 = 24

**Target: I can answer division facts with divisors of 2, 3, 4, and 5.**

1. Shawn has packs of popsicles. If he has 32 popsicles in 4 packs, how many popsicles come in each pack?
2. Dora has a stack of comic books. Each comic book has 2 stories in it. If Dora counts 16 stories, how many comic books does she have?

**Target: I can answer division facts with divisors of 6 and 7.**

1. Peter has 48 rocks in his rock collection. If he divides them into 6 equal groups, how many rocks are in each group?
2. Jonathan read 21 books in 7 weeks. If he read the same number of books every week, how many books did Jonathan read in one week?

**Target: I can answer division facts with divisors of 8 and 9.**

1. What division sentence shows that there are 9 groups of 5 in 45?
2. What division sentence shows that there are 8 groups of 6 in 48?
3. A bookshelf holds 56 books. If 8 books can fit on each shelf, then how many shelves are on the bookshelf?

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

1. Mrs. Murtha spent $120 on pizzas for a pizza party. She spent $36 for cheese pizzas and the rest on pizzas with toppings. If the pizzas with toppings all cost the same, and she bought 6, what did each pizza with toppings cost?
2. Mrs. Wilson paid a total of $72 for movie tickets. She paid $48 for tickets for adults and the rest for tickets for children. If she bought 6 tickets for children, how much did each of those tickets cost?

**Target: I can use multiplication and division facts to find the value of an unknown number in an equation.**

1. Donna wants to give 48 cookies equally to 8 of her friends. Which equation shows the number of cookies each friend will get?
2. Calvin wants to give 30 bookmarks equally to 6 of his friends. Which equation shows the number of bookmarks each friend will get?

**Target: I can use fact families to solve division facts with 0 and 1.**

1. Martha has 15 pictures. If she wants to put each picture in its own frame, how many frames does Martha need?
2. What is 0? Explain how you know.
3. Which cannot be done: or ? Explain your answer.

**Target: I can solve division problems by drawing a picture and writing a number sentence.**

1. There are 7 chairs in each row. There are 3 rows of chairs. Draw a picture and write a number sentence that shows how many chairs there are in all.
2. Walter has 36 oranges in 6 bags. Draw a picture and write a number sentence that shows how many oranges he can put in each bag if he puts the same number of oranges in each.