Topic 1 – Review Multiplication and Division: Meanings and Facts

Mathematician
1.1 – I can recognize multiplication as repeated addition of equal groups used in in arrays and comparisons.
<u>Vocabulary</u>
1. In the space below, draw an array to show 2 x 3 = 6.
2. What are the factors in the number sentence 3 x 6 = 18?
3. What is the product in the number sentence 5 x 8 = 40?
Write an addition sentence and a multiplication sentence for each array below.
4. ****
* * * *
* * * *
* * * *
Addition Sentence
Multiplication Sentence
5. 😊 😊 😊 😊
Addition Sentence
Multiplication Sentence

6. Write a multiplication sentence for the following addition sentence. $6 + 6 + 6 + 6 + 6 + 6 + 6 = 36$					
1.2 – I can use patterns to find products with factors of 2, 5, and 9.					
Vocabulary					
7. List the next 3 multiples of 4. 4, 8, 12, 16,					
Fill in the missing numbers.					
8. 9 x = 36.					
9.					
10. 5 x 8 =					
1.3 – I can use multiplication properties to solve multiplication problems.					
Vocabulary					
Yocabulary 14 . The Commutative Property of Multiplication says that when you multiply 2 numbers, they can be in any order. Because of this property, $3 \times 6 = \underline{\hspace{1cm}} \times 3$.					
15. The Identity Property of Multiplication says that when you multiply any number by 1, the product is that number. Because of this property, 6 x 1 =					
16. The Zero Property of Multiplication says that when you multiply any number by 0, the product is also 0. Because of this property, $8 \times 0 = $					

11. Which property can help you find the missing number? 8 x _____ = 0

Fill in the missing numbers and answer the following questions.

	Which property can help you find the missing number?= 5
8 boxe	Mrs. Heinz-Betts has 6 boxes with 8 crayons in each box, and Mrs. Cronin has es with 6 crayons in each box. Who has more crayons?
	I can use the Distributive Property to solve multiplication lems by breaking them apart.
simple (7x 2)	We can use the Distributive Property to break apart problems into two er problems. For example, you can break down $7x 6$ can be broken down to $+ (7x 4)$. can you break down 8×4 ? $(8 \times 3) + (8 \times 2)$
	the missing numbers. 9 x 5 = (5 x 5) + (x 5) =
11.	8 x 4 = (x 4) + (2 x 4) =
12.	3 x 11 = (3 x) + (3 x 3) =
	I can recognize patterns and continue those patterns. for a pattern. Use the pattern to find the missing numbers.
13.	9, 18, 27,,,,
14.	60 + 8 = 68 600 + 80 = 680 6,000 + 800 =

60,000 +8,000 = ____

	Leah has a newspaper route. The first four houses she delivers to are pered 318, 324, 330, and 336. If this pattern continues, what will the next
iouri	numbers be?,,
	- I can use and draw models to solve division problems.
Draw	pictures to help you divide and solve the problems.
16.	Ethan planted 30 plants into 5 rows? How many plants were in each row?
17. each	Grace arranged 15 chairs into 3 equal groups. How many chairs were in group?
18 . each	Logan put 24 baseball cards into 4 boxes. How many baseball cards were in box?
1.7-	
fact	I can use arrays to write and complete multiplication and division families.
	families.
<u>Voca</u> 19.	·
Voca 19. inver	families. bulary Operations that undo each other are inverse operations. What is the
Voca 19. inver	families. bulary Operations that undo each other are inverse operations. What is the se operation of $5 \times 3 = 15$. A fact family shows all the related facts for a set of numbers. Write a fact

1.8 – I can use multiplication facts with 0 and 1 to learn about special division rules with 0 and 1.

Use multiplication facts to help you divide.

Use >, <, or =to complete the problem.

25.
$$0 \div 5$$
 _____5 $\div 5$

1.9 – I can use multiplication facts related to division facts in order to solve division problems.

Use multiplication facts to help you divide.

1.10 – I can draw pictures to problem solve multiplication situations and use their pictures to write number sentences.

Draw pictures to help you solve the problems.

- **29.** Krista collects pennies and dimes. She has 8 pennies and twice as many dimes.
- a. How many dimes does she have? _____
- b. How many coins does Krista have in all?

_	apples as raisins.	If Mrs. Heinz-Bet	·-
	randfather is 6 time	es as old as he is.	How old is
The width is 5 feet			
i	is 9 years old. His godfather?	is 9 years old. His grandfather is 6 time dfather? built a rectangular pen for his dog. The width is 5 feet. Write an equation	built a rectangular pen for his dog. The length is two fe The width is 5 feet. Write an equation to find the perir