

Module 4 Topic A Lessons 3 & 4 Student Packet

Write an equivalent expression to demonstrate the relationship of multiplication and addition.

1. $4 + 4 + 4 + 4 + 4$

2. 6×2

3. $h + h + h + h + h$

4. $6y$


Tell whether the following equations are true or false. Then, explain your reasoning.

5. $2f - 4e + 4e = 2f$

Write an equivalent expression to demonstrate the relationship between addition and multiplication.

6. $a + a + b + b + b + c + c + c + c$

Build subtraction equations using the indicated equations. The first example has been completed for you.

Division Equation	Divisor Indicates the Number of Units	Tape Diagram	What is x, y, z ?
$12 \div x = 4$	$12 - 4 - 4 - 4 = 0$		$x = 3$
$18 \div x = 3$			
$35 \div y = 5$			
$42 \div z = 6$			

Answer each question using what you have learned about the relationship of division and subtraction.

8.

$36 - f - f - f - f = 0$. Write a division sentence for this repeated subtraction sentence. What is the value of f ?

9.

If $24 \div b = 12$, which number is being subtracted 12 times in order for the answer to be zero?

Problem Sets for Homework

Problem Set

Write an equivalent expression to show the relationship of multiplication and addition.

1. $10 + 10 + 10$

2. $4 + 4 + 4 + 4 + 4 + 4 + 4$

3. 8×2

4. 3×9

5. $6m$

6. $d + d + d + d + d$

	Division Equation	Divisor Indicates the Number of Units	Tape Diagram	What is x, y, z ?
1.	$24 \div x = 4$			
2.	$36 \div x = 6$			
3.	$28 \div y = 7$			
4.	$30 \div y = 5$			
5.	$16 \div z = 4$			