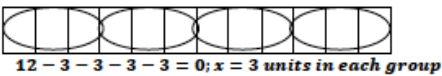


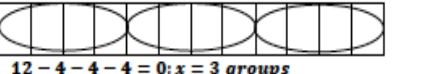
Lesson 4: The Relationship of Division and Subtraction

Classwork

Exercise 1

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

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

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

Exercise 2

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

- a. If $12 \div x = 3$, how many times would x have to be subtracted from 12 in order for the answer to be zero? What is the value of x ?
- b. $36 - f - f - f - f = 0$. Write a division sentence for this repeated subtraction sentence. What is the value of f ?
- c. If $24 \div b = 12$, which number is being subtracted 12 times in order for the answer to be zero?