Math 6 **Worksheet 4**

NAME _____ DATE : _____

SECTION :_____ SCORE : _____

Represents quantities in real-life situations using algebraic expressions and equations. M6AL-IIIe-18
Solves routine and non-routine problems involving different types of numerical expressions and equations such as 7+ 9 =___ + 6. M6AL-IIIf-19

MONDAY

Example 1: Aljur is three years younger than his brother Arman. How old is Arman?
Since we do not know how old is Arman, we will represent his age with a variable.
Let n be Arman's age
Arman's age = n
Aljur's age = n – 3 (since Aljur is 3 years younger than Arman, so subtract 3 from Arman's age)
Therefore, Aljur is n – 3 years old.

Example 2 Arthur went to the bookstore and bought 2 books at the same price. He had Php 120 left after paying for the books. How much did each of the book's cost if he gave Php 1000. to the cashier? Write an equation for the problem.
Let n be the price of each book, 1 book = n
2 books = n + n or 2n
Php. **1000 – 2n** = Php **120** → money left after paying the 2 books
Money given to the cashier → Cost of 2 books

Directions: A. Use variable x to write an algebraic expression for each.

_____1. a number subtracted from 20
_____ 2. twice a number added to 32
_____ 3. 91 more than a number
_____ 4. 87 less than the number
_____ 5. a number times the difference of 12 and 9

Directions: Write the following sentence into algebraic equation/expression.

_____6. Lucas weight is 5kg lighter than Markus.
_____7. There are 12 more girls than boys in the class. If the class has 43 pupils.
_____ 8. Phil has 2 times as many stamps as Ryan, Mark has 23 stamps. Together they have a total of 104 stamps. Write an equation
_____ 9. Samantha is y years old now. Write an algebraic equation for Samantha's age if her age 3 years from now is 15.
_____10. Twice Mako's age, increased by 5 is 17

LIVEWORKSHEETS

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