



Department of Education, Sabaragamuwa Province – Weekly School

Grade: 6

Subject: - Mathematics

Week: 19

Unit : – Constructing Algebraic Expressions and Substituting

Number of Periods : – 04

Constructing Algebraic Expressions

- Cut lamina of rectangles of 5 c.m. × 2 c.m. and squares of 2 c.m. × 2 c.m. using a color half sheet A4.
- Represent the algebraic expressions given below using the laminas, when x is represented by the rectangular lamina and 1 is represented by square lamina.

Ex :- $x + 2$ 

1) $x + 3$

2) $x + 5$

3) $x + 6$

4) $x + 7$

1. write the algebraic expressions shown by the laminas below.

1)  =

2)  =

3)  =

4)  =

Fill in the blanks of the table below.

Number bottles that were available	Number of bottles reserved	Number of bottles remaining
8	3	$8 - 3$
a	1	$a - 1$
x	2
.....	7	$c - 7$
x	$x - 9$
y	4
.....	5	$m - 5$
n	$n - 3$

- Complete the exercise 19.1 on the pages 97 and 98 of the text book.

Substitution

Assigning a numerical value to an unknown term or variable in an algebraic expression is known as substitution.

Complete the table given below

value of x	value of $x + 4$	value of $x + 3$	value of $x + 1$	value of $x + 7$	value of $x + 10$
3	$3 + 4 = 7$	$3 + 3 = 6$	$3 + 1 = 4$	$3 + 7 = 10$	$3 + 10 = 13$
5					
6					
7					
9					
8					
1					

- Complete the activity 1 on the pages 99 and 100 of the text book.