



Grade 6

Mathematics

Unit : 19 – Constructing Algebraic Expressions and Substitution

Part I

1) Construct expressions using digits and symbols.

- i) Add seven and five
- ii) Subtract four from nine

2) Write in words. $7 - 2$

3) Construct expressions using symbols.

When two is added to eight, the answer is ten.

4) Fill in the cages.

i) $3 + \square = 10$ ii) $\square - 8 = 3$

5) When $x = 8$, find the value of $x + 3$ 6) When $y = 12$, find the value of $y - 5$ 7) The first term is y and the second term is 7.

- i) Add the two terms
- ii) Subtract the second term from the first term

8) Draw five symbols you know.

9) Write as a statement. $a + 15$

10) Write five algebraic symbols.

Part II

1) Construct expressions for the following.

- i) Subtract three from eight and add two.
- ii) I have Rs. x and gave Rs. 8 to my brother. Amount left with me is
- iii) The sum of two numbers is 18. One number is y and find the other number.
- iv) Number of students in one class is x . In the other class it is 23. Find the total number of students in both classes.
- v) A number is denoted by m . The number 12 greater than m

2) Find the value of the following when $x = 12$

- i) $x + 5$
- ii) $x - 6$
- iii) $20 - x$
- iv) $x + 4$
- v) $2x$

3) Complete the following using $+$, $-$ or relevant digits.

3		8	→	11
	+		→	6
↓				
2			→	5

agaram.lk

Prepared by Ms. T. R. N. Niwanthie