



Provincial Department Of Education – Sabaragamuwa
WEEKLY SCHOOL

Subject : Mathematics

Grade 7

Week : 5th of 2nd Term

Unit 12 – Algebraic Expressions(1)

- Complete the following activities using the textbook or other appropriate learning resources.

Constructing Algebraic Expressions

The number which is three times as large as m is $3m$.

The number which is twice as large as n is $2n$.

Therefore, the number that is greater than $2n$ by 15 is $2n + 15$

The coefficient of m in the term $3m$ is 3

The coefficient of n in the term $2n$ is 2

There are x number of marbles in a bottle. They are placed in three containers such that each container has the same number of marbles. Then the number of marbles in one container is $x \div 3$. That is, $\frac{x}{3}$

The width of a hostel room is half its length. If the length is y meters, let us write the width in meters.

The width of the room is $y \div 2$ meters. That is, the width of the room is $\frac{y}{2}$ m

25 coconuts were bought at x rupees each and all 25 fruits were sold at y rupees each. Assume that y is greater than x . Write an algebraic expression for the profit.

The price of a coconut = x rupees

The amount of money spent on buying 25 coconuts = $25x$ rupees

The amount of money gained by selling 25 coconuts = $25y$ rupees

Profit = $(25y - 25x)$ rupees

- Complete all the exercises in the Exercise 12.4 and 12.5