Grade 9

Mathematics

Covid -19 - weekly school sabaragamuwa

october 4rd week

algebraic fractions

- Do the numerator review exercise to recall what has been learnt earlier.
- If the numerator or denominator or both the numerator of a fraction an algebraic term or expression, then that fraction is known as an algebraic fraction.

Example :- x/5, 3/x, (x+2)/8, 7/ (y+3), (2x-5)/(3x+8), x/2y

• Adding and subtracting algebraic fractions with equal integral denominations.

Example :- (1). 2x/3 + 5x/3 = 7x/3(3). (2x+3)/7 + (x-5)/7= (2x+3+x-5)/7= (3x-2)/7 // (2). 6y/5 - 2y/5 = 4y/5(4). (3x+6)/5 - (x-3)/5= 3x+6 - (x-3)/5= 3x+6-x+3/5= (2x+9)/5 //

Answer the exercise 26.2

Adding and subtracting algebraic fraction with unequal integral denominators.
Example :- (1). x/2 + x/3

• Adding and subtracting algebraic fractions with the same algebraic denominator.

Example :- (1). x/5 + 3/x = 8/x // (2). 7/(y+3) - 5/(y+x) = 5/(y+2)//

Answer the exercise 26.3