Zonal Education Office of Central Provincial Council - Matale

e- Learning Programme -2020

Grade-10	Assigenment- 03	Mathematics

Translated paper of Tamil medium paper by
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**** Refer the page number 40-47 mathematics text book and answer the following questions****

1) Simplify.

1. 4 x 3 2. 4 X 3a 3. 4 X-3a 4. 2x X 3y 5. 3x X 5x

2) Expand.

1. 3(x+1) 2.4(y-1) 3.x(x+1) 4.2x(y-2) 5.2(a+b±2c)

3) Expand and simplify.

1. (3x+4)(x+5) 2. (2x-3)(x+4) 3.(3x-1)(2x-3)

4. (2p-5)(p-3) 5. $(\frac{1}{3}p + \frac{1}{2}q)(\frac{2}{3}p - \frac{3}{4}q)$

Square of binomial expressions

$(a+b)^2 = a^2 + 2ab + b^2$

a^2 = square of the first term

2ab = Two times the product of the first term second terms

b^2 = Square of second term

4) Expand the following using above square of binomial expressions.

1. $(x+2)^2$ 2. $(p-3)^2$ 3. $(4m-3)^2$ 4. $(a-2b)^2$ 5. $(2a+3b)^2$

5) Find the value of square numbers using above square of binomial expressions.

1. 1042 2. 99^2 3. 52^2 4. 49^2 5. 1001^2

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