DAY-9

1. If the price of a notebook is Tk. x, the price of a pen is Tk. y and the price of a pencil is Tk. z, then -
   a) What is the total price of five pencils and two pens?
   b) What is the meaning of 3x+5y?
   c) What will be the total price of 10 pens, 5 notebooks and 7 pencils?

2. If (a-b) and (a^2+ab+b^2) be two algebraic expression then -

   a) Simplify: $a^2x \times b^2x \times ab$
   b) If a = 4 and b = 3 find the value of $a^2 + 2ab + b^2$
   c) Show that $(a-b)^2 = a^2 - 2ab + b^2$

3. If the price of a notebook is Tk. a, the price of a pen is Tk. b and the price of a pencil is Tk. c, then-
   a) What is the total price of six pencils and three pens?
   b) What is the meaning of 4a+8b?
   c) What will be the total price of 12 pens, 3 notebooks and 8 pencils?

4. If x^2, y^2, z^2 are three algebraic expressions, then-
   a) What is the numerical coefficient of y^2?
   b) Add three times of c^2 with two times of a^2.
   c) Add four times of c^2 with the difference of two times of b^2 from three times of a^2.

5. If the price of a notebook is Tk. x, the price of a pen is Tk. y and the price of a pencil is Tk. z, then -
   a) What is the total price of 2 pencils and three pens?
   b) What will be the price of 10 pens deducted from the total price of 5 notebooks and 8 pencils? Express it into algebraic expression.
   c) What is meant by 3x-2y+5z? What are the numerical coefficient of y and z ? What is the product of numerical coefficient of x, y and z?

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