Expressions That Use Math Terms - Guided Lesson Explanation

Explanation#1

Let's break down the problem into its parts:

(2 X 5)	+ 10	= x
product of 2 and 5	**sum of 10**	**x is**

Time to organize it to make sense.

x is <u>the</u> sum of 10 <u>and the</u> product of 2 and 5.

So it can be written as option 'a' being correct.

Explanation#2

(6 ÷ 3)	X 5	= p
quotient of 6 and 3.	product of 5	p is

Rework the wording again:

p is <u>the</u> product of 5 <u>and the</u> quotient of 6 and 3.

So option 'b' is correct.

Explanation#3

Step 1) The coefficient is a number which is multiplied with the term x. We are only concerned with x, not x^2 or non-x variables.

$x^3 + 5x + 4x + 5$

In this expression 5 and 4 are multiplied with the variable x

So the coefficient of algebra term x is 5 and 4 or 9.

Step 3b) $x^2 + 32x + 5 + 5x + 3$

In above expression, 32 and 5 are multiplied with the variable x

So the coefficient of algebra term x is 32 and 5 or 37.

Step 3c) $x^2 + 2x + 3$

In above expression, 2 is multiplied with the variable x

So the coefficient of algebra term x is 2.