Expressions That Use Math Terms - Step-by-Step Lesson

Lesson 1 Expression Problems:

a) Which sentence best describes the equation:

$4 \div (5 + 15) = z$

1) z is the product of 5 and the sum of 4 and 15.

2) z is the difference of 5 and 15 and the quotient of 15.

3) z is the quotient of 4 and the sum of 5 and 15.

b) What is the coefficient of x in the expression?

$x^3 + 5x^2 + 7x + 5$

Explanation:

a) The bracket is to be solved and the result will be divided into 4. The division symbol gives it away, because it signifies a quotient is being created.

So it can be written as option 3, which is correct.

b) Step 2) $x^3 + 5x^2 + 7x + 5$

The coefficient is the number that is multiplied with the term x.

In this expression 7 is multiplied with the variable x.

So the coefficient of the algebra term x is 7.