

Learning Objectives:

Understand the basic terms used

Be able to identify coefficients, terms, constant terms, expressions, equations

Write equations from worded questions

a
↑
pronomeral

$a \ b \ c \ d \ e \ g$

$a = 3$

constant

↳ numbers

eg

$x + 3$
↑ ↑
pronomeral constant

$x + 3$ Expression (no equals)

$x + 3 = 7$ Equation (solved)

↑
 $x = 4$

$3x$
3 lots of a number

$\left. \begin{matrix} a \\ a \\ a \\ a \\ a \end{matrix} \right\} 5a$

co-efficient in front of a term

co-eff co-eff

$3a + 4b + c + 3$

co-eff constant

pro

pro

pro

4 terms!

$$3x = 3 \times x$$



$$3xy = 3 \times x \times y$$

$$x \div y = \frac{x}{y}$$

Hi Dad
Luv u
Daren
xxx

x Kissy-Kissy

$$\frac{ab}{c} = ab \div c$$

$$= a \times b \div c$$

$$a \times a = a^2$$

$$b \times b = b^2$$

$$x \times x \times x \times x \times x \times x = x^6$$

Sum = add $x + y$

difference = subtract $x - y$

product = times xy

quotient = divide $x \div y$

Examples

$$4a + b - 12c + 5$$



terms :	$4a$	co. eff =	$a = 4$
	b		$b = 1$
	$-12c$		$c = -12$
	5	const =	5

Expressions

1. Sum of 3 and k = $3 + k$

2. product of m and 7 = $m7$
= $7m$

3. 5 is added to one half of k

$$= \frac{1}{2} \times k + 5$$

$$= \frac{1}{2}k + 5$$

4. The sum of a and b is doubled.

$$= (a + b) \times 2$$

$$= 2 \times (a + b)$$

B
-
D
M
A
S