

Term and Expression

Constant: The quantity which has fixed value is called constant. "x" represents the number of days in a week. Here "x" is the constant because its value is fixed to 7.

Variable: The quantity which does not have fixed value. In other word might have different value is known as variable. "y" represent the length of table. Here "y" is variable because the length of a table may different.

Example

Algebraic term $-9p^5$

Sign: -ve or minus sign (If there is no sign in front there is '+' sign)

Coefficient: 9 (If there is no coefficient there is 1)

Base: p

Power: 5 (If there is no power there is 1)

Exercise

1) Write the sign, coefficient, base and power as done in example.

	$-5x^4$	$3p^2$	x^7	$-13x^4$	p
Sign					
Coefficient					
Base					
Power					

Expression: Collection of algebraic terms is called expression.

Like terms: Algebraic terms which have same base and power are called like terms. Addition and Subtraction is possible between like terms. E.g. $-5x^2$, $3x^2$, x^2 are like terms, all terms have same base which is "x" and same power "2".

2) Collect the like terms on the given table.

$2x^2$, $5ab$, $-3x^2$, $5x^2$, x^2 , $12x^2y$,
 $7ab$, $2x^2y$, $-3ab$, $-8x^2y$, $2x$, $-5ab$,
 $17x^2$, x^2y

x^2	ab	x^2y