

Terms, Expression and Manipulation

Constant: The quantity which has fixed value is called constant. “x” represent 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.

Algebraic term **-7 x ³**

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

Coefficient: 7 (If there is co- coefficient there is 1)

Base : x

Power : 3 (If there is no power there is 1)

Expression : Collection of algebraic terms is called expression.

Like terms : An algebraic terms which have same base and power are called like terms. Addition and Subtraction is possible between like terms. E.g. -5x², 3x², x² are like terms , all terms have same base which is “x” and same power “2”.

Exercise 13

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

	-7x ⁴	3m ²	q ⁷	-17b ⁴	c
Sign					
Coefficient					
Base					
Power					

2) Collect the like terms on the given table.

2x², 5mn, - 3x², 5x² , x² , 12x²y,
7mn, 2x²y, -3mn, -8x²y, 2x, -5mn,
17x², x²y

x ²	mn	x ² y