

Number Sense	Definition	Example
Absolute Value	The distance between a number and zero.	5 = 5, -5 = 5
Order of Operations	PEMDAS	Parentheses, Exponents, Multiply and Divide, Add and Subtract.
Expressions	(No equal sign)	
Arithmetic Expression	A mathematical statement with only numbers or operators.	2 + 6
Algebraic Expression	A mathematical statement with variables, numbers and operators.	2x + 6
Quadratic Expression	A mathematical polynomial expression of the second degree with variables, numbers and operators.	Ax ² +Bx+C
Equations	(Equal sign)	
Arithmetic Equation	A mathematical equation with only numbers or operators.	2+6=8
Algebraic Equation	A mathematical equation with variables, numbers, and operators.	2x+6=10
Quadratic Equation	A mathematical polynomial equation of the second degree with variables, numbers, and operators.	Ax ² +Bx+C=0
Variable	Alphabetical character representing a number.	Х
Coefficient	Number in front of a variable.	2 x
Term	A term is either a number, a variable, or a number and variable multiplied together. + and - signs separate terms.	2xone term2x + 3two terms2x + 3 - ythree terms
Scientific Notation	A method for expressing very large or small numbers.	a x 10 ^m
Standard Notation	It is a number written simply as a number .	0.0000067 or 65,839,275
Exponential Notation	A method of representation of numbers in shorter form.	a ^m
Polynomial	An algebraic expression with one or more terms.	$2x$ monomial $2x + 3$ 1 term 2binomial $2x^2 + 3x - 2$ terms 3trinomialterms
Degree of Polynomial	The largest exponent of a term within a polynomial.	2x1st degree2x22nd degree2x33rd degree
Leading Coefficient	The coefficient of the first term of a polynomial written in descending order of exponents.	2x ³ +3x ² -x+2



Reciprocal of "N"

<u>1</u> = N	N^{-1}	$\frac{3}{-} = \frac{4}{-}$
Ν		4 3

Parts of an Equation by Operator

Addend + Addend = Sum	Minuend—Subtrahend= Difference
Factor x Factor = Product	Dividend / Divisor = Quotient

Prime and Composite

Prime	Any positive integer with only two factors: 1 and itself.
Composite	A positive integer with more than two factors.

Percent—Fraction—Decimal

30% $\frac{3}{10}$	0.30
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Polynomial		
Degree of Polynomial		
Leading Coefficient		





Reciprocal of "N"



Parts of an Equation by Operator

Prime and Composite

Prime	
Composite	

Percent—Fraction—Decimal

π