

Common Math Vocabulary

Grades 6, 7, and 8

NUMBER SENSE

Place Value
Scientific Notation
Expanded Form
Standard Form
Whole #'s
Natural Numbers
Real #'s
Integers
Rational #
Irrational #
Inequality:
<, >, ≤, ≥
Positive #
Negative #
Opposite
Odd
Even

PROBLEM SOLVING

Solution
Evaluate
Solve
Justify
Simplify
Estimate
Approximate
Order of Operations
Counter example
Conjecture
Deductive Reasoning
Inductive Reasoning

MEASUREMENT

Perimeter
Area
Surface area
Square units²
Volume
Cubic units³
Circumference
Weight
Mass
Length Standard and metric
Volume Standard and metric
Temperature F and C
Ruler
Protractor
Compass
Scale

PROBABILITY

Chances
Fair game
Ratio
Proportion
Percentage %
Tree
What are the chances of?
How many choices?
Odds
Scale

Properties:

Commutative Properties
Associative Properties
Distributive Property
Identity Properties

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Substitution

COMPUTATION

Addition:

Sum

Total of

How many

All together

Addend

Plus

*More than

Increased by

In all

Greater Than

Is

Is equal to

Subtraction:

Difference

Less than

*More than

Take away

Between

Minus

Subtract

Decreased by

Multiplication:

Product

Factor

Multiple

Of

Prime factors

Factor tree

Times

Multiplied by

Each

Prime Factorization

Prime numbers

Composite numbers

Division:

Dividend

Divisor

Quotient

Divisible

Divisor bar

Fraction bar

Equal shares

How many each?

Long division

Per

Ratio

Rate

Simplify

Fractions:

Divisible

Numerator

Denominator

Fraction Bar

LCD

LCM

GCF

Common denominator

Equivalent fraction

Improper fraction

Mixed number

Lowest Terms

Simplify

Inverse

Bar notation

Repeating decimal

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GEOMETRY

Symmetry

Parallel

Perpendicular

Angles:

Complementary Angle

Supplementary Angle

Acute

Obtuse

Right

Adjacent

Vertical

Straight

Congruent

Bisector

Ray

Line segment

Circles:

Radius/radii

Central Angle

Chord

Diameter

Center

Arc

Circumference:

$C=2\pi r$ or $C=\pi d$

$\pi = 3.14$

Semicircle

Faces

Bases

Vertex/vertices

Edge

Diagonal

2-D

Polygon:

Quadrilateral

Square

Rectangle

Rhombus

Parallelogram

Kite

Trapezoid

Triangle:

Acute

Obtuse

Right

Equilateral

Isosceles

Scalene

Congruent

3-D

Prism

Pyramids

Cylinders

Cube

Tessellations:

Patterns

Rotation

Reflection

Translation (slide)

Dilation

Symmetry

Graphing:

X and y axis

X and y intercept

Origin (0,0)

Plane

Coordinate plane

Grid

Slope

Slope intercept form

Quadrants

Points

Ordered pairs

Coordinate pairs

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DATA ANALYSIS/ STATISTICS

Data
Mean (average)
Median
Mode
Range
Scale
Key
Independent Variable
Dependent Variable
Bar graph
Line graph
Frequency table
Tally marks
Histogram
Intervals
Line plot
Scatter Plot
Correlation
Stem and Leaf Plot
Stems
Leaves
Extreme Value
Outlier
IQR
Box & Whisker Plots
5 # summary
Domain (x axis)
Range (y axis)
Function

Surveys:

Biased question
Population
Sample
Voluntary-Response
Convenience

Systematic
Stratified Random
Simple Random

ALGEBRA

Equation
Expression
Algebraic Expression
Variable Expression
Linear Equation
Numeric Form
Numerical Expression
Open sentence
Two step equation
Relation
Equivalent equations
Equivalent Expression
Inverse Operations
Formula
Variable
Coefficient
Constant
Like terms
Term
Base
Exponent
Power
Square
Square Root
Perfect Square
Radical
Absolute value
Opposite
Additive inverse
Reciprocal
Multiplicative Inverse
Monomial
Polynomial