

KINDERGARTEN

Number Sense

- numeracy and cardinality
- compare and order sets
- counting
- part-whole relationships

Computation & Estimation

- addition and subtraction

Measurement & Geometry

- money
- calendar
- direct comparisons
- plane figures

Probability & Statistics

- graphs and tables

Algebraic Thinking

- sort and classify objects
- patterns

LEVEL 1

Number Sense

- count and write
- group, compare, and order
- ordinal position
- equal shares and fractions
- order of magnitude

Computation & Estimation

- addition and subtraction problems
- addition and subtraction fluency

Measurement & Geometry

- money
- time
- length, weight and volume
- plane figures

Probability & Statistics

- graphs and tables

Algebraic Thinking

- sort and classify objects
- patterns
- equality

LEVEL 2

Number Sense

- count and write
- group, compare, and order
- ordinal position
- equal shares and fractions
- order of magnitude

Computation & Estimation

- addition and subtraction problems
- addition and subtraction fluency

Measurement & Geometry

- money
- time
- length, weight and volume
- plane figures

Probability & Statistics

- graphs and tables

Algebraic Thinking

- sort and classify objects
- patterns
- equality

LEVEL 3

Number Sense

- place value
- understand fractions

Computation & Estimation

- addition and subtraction problems
- multiplication and division
- Fractions

Measurement & Geometry

- money
- length and liquid volume
- perimeter and area
- time
- temperature
- points, lines, segments, rays and angles
- polygons
- congruent and noncongruent figures

Probability & Statistics

- probability
- pictographs and bar graphs

Algebraic Thinking

- patterns
- equality

LEVEL 4

Number Sense

- place value
- understand fractions
- understand decimals

Computation & Estimation

- whole number operations
- add and subtract fractions
- add and subtract decimals

Measurement & Geometry

- perimeter and area
- estimate, measure and solve
- elapsed time
- points, lines, segments, rays and angles
- solid figures
- classify quadrilaterals

Probability & Statistics

- probability
- bar and line graphs

Algebraic Thinking

- patterns
- equality and equations

LEVEL 5

Number Sense

- rounding decimals
- fractions and decimals
- characteristics of numbers

Computation & Estimation

- whole number problems
- decimal operations
- fraction problems
- order of operations

Measurement & Geometry

- perimeter, area, and volume
- measurement problems
- characteristics of circles
- elapsed time
- classify and measure angles
- classify and investigate triangles
- transformations and polygon combinations/subdivisions

Probability & Statistics

- probability
- line and stem-and-leaf plots
- mean, median, and mode

Algebraic Thinking

- patterns
- variables, expressions, and equations

LEVEL 6

Number Sense

- ratios
- understand rational numbers
- understand integers
- exponents and perfect squares

Computation & Estimation

- fraction and decimal problems
- Integer problems

Measurement & Geometry

- circumference, area, and perimeter problems
- coordinate plane
- congruence

Probability & Statistics

- circle graphs
- measures of center

Algebraic Thinking

- proportional relationships
- linear equations
- linear inequalities

LEVEL 7

Number Sense

- understand rational numbers

Computation & Estimation

- rational number problems
- proportional reasoning problems

Measurement & Geometry

- volume and surface area
- similarity
- quadrilaterals
- transformations

Probability & Statistics

- probability
- histograms

Algebraic Thinking

- linear relationships
- algebraic expressions
- linear equations
- linear inequalities

LEVEL 8

Number Sense

- compare and order real numbers
- real number system
- square roots

Computation & Estimation

- consumer applications

Measurement & Geometry

- angle relationships
- volume and surface area
- transformations
- three-dimensional models
- Pythagorean Theorem
- perimeter and area

Probability & Statistics

- probability
- box plots
- scatterplots

Algebraic Thinking

- algebraic expressions
- relations and functions
- linear functions
- linear inequalities