

**MATHEMATICS V**  
**GRADE LEVEL 5**

#	Lesson	Lesson Content
1	Whole Numbers 1	Place value through millions. Exponents. Standard, expanded, and word forms of numbers.
2	Whole Numbers 2	Comparing and ordering whole numbers. Rounding through millions.
3	Decimals 1	Place value through thousandths. Zero in decimals. Writing decimals.
4	Decimals 2	Comparing and ordering decimals. Patterns in decimals. Rounding decimals.
5	Properties of Addition	Commutative, associative, and zero properties of addition.
6	Addition & Subtraction 1	Inverse operations. Estimating sums.
7	Addition & Subtraction 2	Addition and subtraction across zeros. Regrouping with zeros.
8	Addition & Subtraction 3	Addition and subtraction of decimals. Clustering.
9	Review Test 1	Review test of whole number place values, addition, and subtraction.
10	Review Test 2	Review test of decimals, addition, and subtraction.
11	Problem Solving 1	The five step thinking plan. Using inverse operations.
12	Organizing Data 1	Using tables to organize, analyze, and solve problems.
13	Problem Solving 2	Multi-step problems. Using the five-step thinking plan.
14	Multiplication 1	Commutative, associative, zero, one and distributive multiplication properties. Mental math techniques. Estimating.
15	Multiplication 2	Multiplication by two and three digit numbers. Multiplication problems with missing factors.
16	Multiplication 3	Estimation. Mental math. Decimal multiplication. Zero in decimals.
17	Division 1	Dividing whole numbers by one and two digit numbers. Estimating quotients.
18	Division 2	Short division. Dividing larger numbers. Using zeros in division. Identifying patterns. Checking division.
19	Division 3	Dividing decimals. Estimation and mental math.
20	Review Test 3	Multiplication and division.
21	Organizing Data 2	Surveys. Sample groups. Range, mode, mean, median.
22	Bar Graphs & Pictographs	Parts of a bar graph. Selecting a scale. Displaying data on bar graph. Displaying data on pictograph. Reading data. Analyzing data. Making inferences.
23	Line Graphs	Uses of line graphs. Parts of line graphs. Displaying data.
24	Circle Graphs	Circle graphs. Venn diagrams. Analyzing data.
25	Ordered Pairs	Ordered pairs. Graphing on a grid.
26	Fractions 1	Fraction parts. Equivalent fractions. Prime numbers. Composite numbers. Greatest common factors. Simplest form. Least common multiples.
27	Fractions 2	Comparing fractions. Reducing fractions. Improper fractions. Mixed Numbers.
28	Fractions 3	Estimation. Adding and subtracting like fractions. Adding and subtracting unlike fractions. Adding and subtracting mixed numbers.
29	Fractions 4	Multiplying fractions and mixed numbers.
30	Review Test 4	Fractions.
31	Metric Measurement	Units of length. Units of capacity. Units of mass. Changing metric units.
32	Customary Measurement	Units of length. Units of capacity. Units of weight.
33	Time Measurement	Time. Elapsed time. Schedules.
34	Review Test 5	Measurement.
35	Lines & Angles	Point, line, line segment, ray, angle, plane. Intersecting lines. Parallel lines. Perpendicular lines. Acute, obtuse, and right angles. Angle measurement.

36	Polygons	Plane figures. Triangles. Classifying by sides. Classifying by angles. Quadrilaterals. Classifying quadrilaterals. Symmetry. Congruent figures. Similar figures.
37	Circles	Circles. Circle parts. Circumference, diameter, radius, chord. Compass. Relations of parts. Pi.
38	Space Figures	Faces, vertices, edges. Prisms. Pyramids. Cones. Cylinders. Spheres.
39	Geometric Measurement	Perimeter. Circumference. Area of rectangles, triangles, parallelograms, circles. Area of irregular shapes. Volume of space figures.
40	Review Test 6	Geometry and Measurement.
41	Ratios	Meaning of ratio. Equivalent ratios. Use of ratio in scale drawings.
42	Percent	Ratio. Percent of decimals. Finding percent of a numbers.
43	Probability	Definition and examples of probability. Prediction of outcomes. Fractions and probability.
44	Comprehensive Test	Level 5 Mathematics