

MATHEMATICS IV
GRADE LEVEL 4

#	Lesson	Lesson Content
1	Story Problems 1	The five-step process for problem solving
2	Number Sense 1	Order of addends in relation to the sum. Adding zero. Students rewrite addition facts in inverse order. Grouping addends.
3	Number Sense 2	Rounding numbers and money amounts to nearest 10, 100, and 1000.
4	Addition & Subtraction 1	Given an addition fact, students write a related subtraction fact. Given subtraction fact, students write a related addition fact.
5	Addition & Subtraction 2	Addition and subtraction fact families. Students complete fact families using missing elements. Students read story problems and choose the correct operation to solve the problem.
6	Patterns	Odd and even numbers. Students recognize the relationships between numbers to determine patterns.
7	Ordinal Numbers	Cardinal and ordinal numbers.
8	Money 1	Review counting bills and coins. Addition and subtraction problems using money. Students make change for dollar amounts up to \$20 and coin change. Students are given dollar amounts to spend and choose which items they could purchase.
9	Money 2	Multiplication and division problems using money. Locating the dollar sign and decimal points when multiplying and dividing money.
10	Measurement 1	Estimating, determining, and measuring time to the nearest minute. Finding elapsed time. Using the appropriate time units to measure time. Writing time using AM or PM. Adding and subtracting time.
11	Measurement 2	Using a calendar. Looking for patterns on a calendar. Learning the number of days in each month.
12	Measurement 3	Estimating the measuring capacity, mass, temperature, and distance. Using customary units of measurement. Standard and metric measurements.
13	Fractions 1	Review of fractions. Reading, writing, and renaming mixed numbers. Comparing and ordering fractions and mixed numbers.
14	Fractions 2	Addition and subtraction of fractions and mixed numbers. Equivalent fractions. Students read story problems, choose strategies, and solve problems.
15	Decimals 1	Students read and write decimals to tenths and hundredths positions. Relating decimals and fractions. Relating decimals and money. Writing mixed numbers as decimals.
16	Decimals 2	Adding and subtracting decimals of the same place value. The use of zero in decimals. Writing decimals as fractions.
17	Geometry 1	Identifying faces, edges, and corners of solid and plane figures. Comparing solid figures. Comparing plane figures. Differences in solid and plane figures.
18	Geometry 2	Line segments and angles. Identifying right angles. Using greater than and less than with right angles. Definition and examples of intersecting lines, parallel lines, and perpendicular lines.
19	Geometry 3	Definition and examples of congruence and symmetry. Open and closed figures. Identifying parts of angles. Identifying and continuing patterns using geometrical shapes.
20	Geometry 4	Measuring perimeter and area of polygons. Finding the volume of solid figures. Difference in area and volume.
21	Graphs 1	Students locate and name ordered pairs on a coordinate grid. Comparing maps and grids. Students locate points by writing ordered pairs.
22	Graphs 2	Students gather data from visual aid and complete bar graph. Students

		make predictions from bar graphs information. Students complete line graph.
23	Graphs 3	Using tables and pictographs. Gathering information with a pictograph. Using pictograph information to create line and bar graphs. Comparing graph types. Students decide what type of graph to use.
24	Probability	Definition and examples of probability. Identifying possible outcomes. The probability equation. Students predict if outcome of given situation is probable, certain, or impossible. Using graphs to chart probability and predict outcomes.
25	Using Mental Math	Examples of different methods of computation using mental math.
26	Choosing the Operation	Students decide which operation to use and solve problems.
27	Extra Information	Students read problems, identify unneeded information, and solve problems.
28	Story Problems 2	Students are given information to formulate into problem. Students check for reasonableness of answers.
29	Finding Needed Facts	Students read information and identify missing information.
30	Story Problems 3	Students read information, form plan, choose the correct operation, and solve problems having more than two steps
31	Logical Reasoning	Students use logic to solve problems. Students check for reasonability of answers.
32	Test 1	Review test of number operations.
33	Test 2	Review test over fractions.
34	Test 3	Review test over measurement.
35	Test 4	Review test over geometry.
36	Test 5	Review test over probability.
37	Test 6 (Comprehensive)	Comprehensive test covering unit.