

**MATHEMATICS II**  
**GRADE LEVEL 2**

#	Lesson	Lesson Content
1	Numbers & Counting 1	Introduction of five steps to solving problems. Building place-values. Numbers to 100.
2	Numbers & Counting 2	Regrouping using place-value models. Story problems. Nonstandard methods of keeping count.
3	Numbers & Counting 3	Skip counting by ones, twos, fives, and tens. Introduction of odd-even concept. Number lines.
4	Odds and Evens	Students write odd numbers and even numbers. Students continue odd-even patterns. Students start with various numbers and count by odd or even numbers.
5	Money 1	Placing value to groups of coins and bills. Given certain dollar amounts, students decide what combination of money will give the amount.
6	Money 2	Subtraction concepts. Making change with money. Concept of more and less. Students determine which costs more or less.
7	Story Problems 1	Students read information and determine solution.
8	Number Sense	Given numbers, students determine which number comes before, between, or after. Students place numbers in order from least to greatest and greatest to least.
9	Money Strategy	Students choose items that cost a given amount. Students decide which items to buy given a certain amount to spend.
10	Story Problems 2	Students read information and determine solution.
11	Ordinal Numbers	Students use ordinal numbers to identify order. Odd and even numbers.
12	Graphing 1	Students answer questions about graphs and complete graphs with information.
13	Graphing 2	Definition and examples of bar graphs, tables, lists, pictures. Students answer questions and solve problems using graphs.
14	Addition & Subtraction 1	Definition of addend, sum, and difference. Students write addition and subtraction number sentences.
15	Addition & Subtraction 2	Using double numbers to add and subtract with sums through 18. Story problems. Regrouping in addition.
16	Fact Families	Students identify fact families. Students complete problems with various elements missing.
17	Story Problems 3	Students read information and determine solution.
18	Choosing Operations 1	Students choose the correct operation needed to solve problems.
19	Using a Calculator	Instruction on use of calculator. Students practice working problems on calculators.
20	Adding Three Numbers	Vertical and horizontal addition problems using three and four addends.
21	Extra Information	Students read information and identify facts that are not needed to solve the problem.
22	Choosing Operations 2	Students read information, determine operation, and solve problems.
23	Measurement 1	Using nonstandard measuring instruments. Students estimate length. Measurement in centimeters and inches. Students choose appropriate units of measurement.
24	Measurement 2	Students measure mass and weight. Students read and write temperature in Celsius and Fahrenheit. Measurement problems.
25	Measurement 3	Students estimate and measure capacity in liters, cups, and other units of

		measurement. Students compare sizes.
26	Measurement 4	Students estimate and measure mass. Students compare mass measurement. Story Problems
27	Estimating	Students estimate sums and measurements. Using front digits to estimate. Estimating greater than and less than. Checking answers for reasonableness.
28	Time 1	Review of reading time on digital and analog clocks. Clock addition and subtraction.
29	Time 2	Estimating length of time for certain activities. Choosing units of time measurement. Writing time in words. Hours, half hours, and quarter hours.
30	Time 3	Student complete calendar and answer questions. Order of days of week and months of year. Students use time lines to show time relationship.
31	Story Problems 4	Addition and subtraction story problems. Students choose correct operations and solve problems.
32	Geometry 1	Students identify, describe, and compare two- and three-dimensional figures, including square, triangle, rectangle, cube, sphere, and cone. Students measure perimeters of objects.
33	Geometry 2	Definition and examples of concept of congruence and symmetry. Students identify symmetrical and congruent figures.
34	Probability 1	Definition of probability. Students gather data and create graphs from information.
35	Probability 2	Students gather data and write probability statements. Students predict outcomes based on probability statements.
36	Patterns 1	Students recognize patterns in addition and subtraction. Students find missing numbers in patterns.
37	Patterns 2	Students extend patterns. Students create patterns. Introduction to ordered pairs.
38	Patterns 3	Students sort and order objects according to different attributes. Students find patterns.
39	Strategy	Using different strategies to solve the same problem. Students solve problems, and then use another strategy to check answers.
40	Logic	Introduction of logical reasoning. Student read information and use logic to solve problems.
41	Fractions 1	Students identify halves, thirds, fourths, and sixths
42	Fractions 2	Students identify fractional parts of a whole.
43	Test 1	Review test of number sense operations.
44	Test 2	Review test of money operations.
45	Test 3	Review test of time problems.
46	Test 4	Review test of addition.
47	Test 5	Review test of subtraction.
48	Test 6	Review test of geometry.
49	Test 7	Review test of fractions.
50	Test 8 (Comprehensive)	Comprehensive test covering unit.