Elementary II
Math Objectives

Teacher: Sella Moughalian

Chapter 1 – Number concepts

Use place value to describe the values of digits in numbers.

Use place value and expanded form to describe numbers.

Apply place value concepts to write numbers in various ways.

Apply place value concepts to find equivalent representation of numbers.

Solve problems by using the strategy make a list.

Classify numbers as even or odd.

Use symbols to compare and order numbers.

Chapter 2 – Numbers to 1,000

Understand grouping tens as hundreds.

Show 3-digit numbers using base-ten blocks.

Write the 3-digit number shown by a set of blocks.

Identify the values of digits in 3-digit numbers.

Write numbers in different forms.

Write numbers in different ways by composing and decomposing hundreds, tens, and ones.

Count on or count back by 10s or 100s beginning with any number.

Count by tens or hundreds to extend number patterns.

Solve problems by using the strategy make a model.

Use words and symbols to compare numbers.

Order numbers up to 1,000 from least to greatest and from greatest to least.

Chapter 3 – Basic facts and relationships

Recall sums for basic facts using properties and strategies.

Recall sums for addition facts using the make-a-ten strategy.

Use properties and strategies to find the sum of three addends.

Use the inverse relationship of addition and subtraction to recall basic facts.

Use fact families to find sums and differences.

Recall difference for basic facts.

Use bar models to represent addition and subtraction facts.

Solve problems using the strategy write a number sentence.

Apply the concept of equality to solve for missing numbers in addition sentences.

Compare expressions using = and ≠.

Chapter 4 – 2-Digit addition

Find a sum by breaking apart a 1-digit addend to make a 2-digit addend a multiple of 10.

Develop flexible thinking for 2-digit addition using compensation.

Apply place value concepts for a non standard addition algorithm.

Model 2-digit addition with regrouping.

Record 2-digit addition using the standard algorithm.

Practice 2-digit addition with or without regrouping.

Rewrite horizontal addition exercises vertically in the standard algorithm format.

Solve problems using the strategy draw a diagram.

Estimate sums for 2-digit addition using benchmarks of 20, 50, or 100.

Find sums for three 2-digit numbers.

Represent addition situations using number sentences.

Chapter 5 – 2-Digit subtraction

Model 2-digit subtraction with regrouping

Model and then record 2-digit subtraction using the standard algorithm.

Practice 2-digit subtraction with and without regrouping.

Rewrite horizontal subtraction problems vertically in the standard algorithm format.

Solve problems using the strategy draw a diagram.

Represent subtraction situations using number sentences.

Determine steps to take in order to solve multistep problems.

Chapter 7 – 3 Digit addition and subtraction

Apply place value concepts to explore 3-digit addition.

Record 3-digit addition using the standard algorithm.

Solve 3-digit addition problems that may involve regrouping twice.

Practice 3-digit addition with regrouping.

Solve problems using the strategy make a model.

Record 3-digit subtraction using the standard algorithm with regrouping tens.

Record 3-digit subtraction using the standard algorithm with regrouping hundreds.

Chapter 8 – Multiplication concepts

Skip count with multiples to extend number pattern.

Solve problems using the strategy act it out.

Extend number patterns in tables.

Write repeated addition as multiplication.

Use an array to model multiplication.

Use skip counting to multiply with 2.

Use skip counting to multiply with 5.