Class: Grade IV

Teacher: Mrs. Maral Avedissian

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Objectives:

Chapter 1

<u>Use and represent whole numbers</u>

- Use and represent numbers through hundred thousands
- Build numbers through billions
- Estimate and understand numbers till millions
- Compare and order whole numbers through hundred thousands
- Add and subtract whole numbers
- Solve problems by using the different strategies

Chapter 2

<u>Number theory and operations</u>

- Multiply and divide facts through 9
- Use the inverse relationship between multiplication and division to solve problems
- Use multiplication and division to solve problems
- Multiple and divide using factors through 12
- Find factors using multiplication table
- Use pattern to determine whether one number is a factor of the other
- Find multiples by using models and by multiplying
- Use multiplication and division to find missing numbers
- Solve word problems using different strategies
- List every factor of a number by identifying factor pairs

Chapter 4

<u>Multiplication properties</u>

- Identify and use properties of multiplication
- Use a basic fact and pattern to multiply mentally by 10,100,1000
- Estimate by rounding the factors and finding the product
- Simple vertical multiplication
- Solve word problems

Chapter 5

<u>Multiply by 2-digit numbers</u>

- Use a basic fact and pattern to multiply mentally multiples of 10,100,1000
- Multiply 2-digit vertically
- Estimate the factors to find the rounded product
- Solve word problems

Chapter 6

<u>Divide by 1-digit number</u>

- Identify and model measurement division
- Divide whole numbers that don't divide evenhly
- Use basic facts and pattern to divide
- Use the inverse relationship between multiplication and division to solve division problems
- Division with remainder
- Divide 3-digit dividends by 1 digit divisor
- Divide 4-digit dividends by 1 digit divisor
- Solve word problems

Chapter 8

<u>Model and relater fractions</u>

- Rename mixed numbers as fractions and fractions as mixed numbers
- Generate equivalent fractions
- Use multiplication and division to generate equivalent fractions
- Solve problems

Chapter 10

Add and subtract fractions with like denominators

- Add fractions using models
- Add fractions when one denominator is a multiple of the other
- Subtract fractions
- Subtract fractions when one denominator is a multiple of the other
- Solve problems

Chapter 11

Measurement

- Estimate and measure lengths using metric units
- Estimate and measure mass using metric units
- Estimate and measure capacity using metric units
- Choose and use appropriate metric units and tools to measure length mass, capacity and temperature
- Conversion of the metric units
- Tell time to the minute

Chapter 12

Transformation and symmetries

- Identify and describe two dimensional figures
- Understand attributes of and relationships among points, lines, line segments, rays and angles
- Indentify and draw lines of symmetry in two dimensional figures
- Find the perimeter of a shape