**Class :** Grade VI

**Teacher:** Mrs. Maral Avedissian

**Year:** 2015-2016

**Chapter 1:** Operations and Expressions

**Objectives:**

- Represent numbers by using exponents.
- Determine divisibility of numbers.
- Write prime numbers.
- Use the order of operations to evaluate the expressions.
- Solve problems by using the strategy work backwards.
- Use properties of operations to solve problems.
- Write algebraic expressions to represent situations.
- Evaluate algebraic expressions.
- Write and evaluate plus and minus expressions.
- Simplify algebraic expressions.

**Chapter 2:** Decimal Operations

**Objectives:**

- Add and subtract decimals.
- Multiply decimals.
- Divide a decimal number by a whole number.
- Divide a decimal number by a decimal.
- Divide whole number by a decimals.

**Chapter 3:** Decimals and Fractions

**Objectives:**

- Convert between decimals and fractions.
- Compare and order and fractions and decimals.

- Add and subtract fractions with unlike denominators.
- Add and subtract mixed numbers.
- Subtract mixed numbers with unlike denominators by renaming.
- Break a multi-step problem into single steps to find the solution.

## **Chapter 4:** Multiplying and Dividing Fractions

## **Objectives:**

- Use a model to multiply fractions.
- Multiply fractions.
- Multiply mixed numbers.
- Divide fractions.
- Divide mixed numbers.
- Write multiplication and division expressions.
- Use a model to solve multi-step problems with fractions and mixed numbers.

## **Chapter 6:** Units of Measure.

## **Objectives:**

- Find elapsed time across A.M./P.M. and across day.
- Convert from one unit of length to another.
- Convert from one unit of capacity to another.
- Convert from one unit of mass or weight to another.
- Measure capacity using the appropriate unit of measure.
- Solve problems involving time .

## **Chapter 9:** Integers.

## **Objectives:**

- Compare and order integers.

- Model addition of integers.
- Add integers.
- Subtract integers.
- Multiply integers.
- Divide integers.
- Solve integer problems.

## **Chapter 10:**  Equations and Functions.

## **Objectives:**

- Translate between words and equations.
- Use models to solve addition equations.
- Use algebra to solve addition and subtraction equations.
- Solve multiplication equations.
- Solve multiplication and division equations.
- Work backward to solve two-step equations.

## **Chapter 11:**  Geometric Figures.

## **Objectives:**

- Measure and classify angles.
- Use special angle pairs to calculate angle measurements.
- Determine if two polygons are congruent.
- Find missing angle measure in a triangle.
- Find missing angle measure in a quadrilateral.
- Plot polygons on a coordinate plane.

## **Chapter 12:**   Perimeter and Area.

## **Objectives:**

- Find the perimeter of a polygon.
- Find the area of the rectangle, square and parallelogram.