



Mathematics I	
<b>Department:</b> Mathematics	<b>Key of the matter:</b> 675/676
<b>Requirements:</b> Have passed mathematics VI of Primary School Mathematics	<b>Year:</b> First
<b>Weekly load:</b> 5	<b>Date of elaboration</b> April 2017

## Topics

### Unit 1

- 1.1. Understand Integers
- 1.2. Adding and subtracting in a Number Line
- 1.3. Subtracting Integers
- 1.4. Apply Addition and Subtraction of integers
- 1.5. Multiply Integers
- 1.6. Divide Integers
- 1.7. Apply Integer Operations
- 1.8. Rational Numbers and Decimals
- 1.9. Adding Rational Numbers
- 1.10. Subtract Rational Numbers

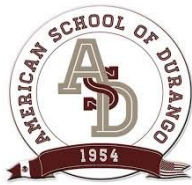
### Unit 2

- 2.1. Adding Integers with the same sign
- 2.2. Adding Integers with different signs
- 2.3. Adding, subtracting, multiplying, dividing rational numbers
- 2.4. Applying rational numbers operations
- 2.5. Algebraic Expressions

### Unit 3

- 3.1. One Step Equations with Rational Coefficient
- 3.2. Writing Two Step Equations
- 3.3. Solving Two Step Equations
- 3.4. Writing and Solving One Step Inequalities





3.5. Writing Two Step Inequalities

3.6. Rewrite Percent Expressions

#### **Unit 4**

4.1. One Step Equations when Multiplying and Dividing

4.2. Labeling Shapes

4.3. Area of Shapes

4.4. Area of Circles

4.5. Area of Composite Figures

4.6. Solving Surface Area Problems

4.7. Solving Volume Problems

#### **Unit 5**

5.1. Mean, Median and Mode Problems (SEP)

5.2. Comparing Data Displayed in Dot Points

5.3. Probability

5.4. Rational Numbers

5.5. Set of Real Numbers

5.6. Ordering Real Numbers

5.7. Integer Exponents

5.8. Scientific Notation

5.9. Operations with Scientific Notation

5.10. Rate of Change and Slope



**BE A HAWK BE A LEADER**