

Mathematics I

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

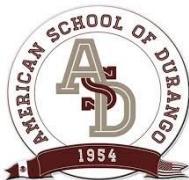
- 2.1. Adding Integers with the same sign
- 2.2. Adding Integers with different signs
- 2.3. Adding, subtracting, multiplying, dividing rational numbers
- 2.4. Applying rational numbers operations
- 2.5. Algebraic Expressions

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



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- 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



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