JAMAICA: 7th Grade Math

Table of Content

0. GSAT Review

- 1. Whole Numbers
- **1.1 Determining Place Values in Whole Numbers**
- **1.2 Comparing Whole Numbers**
- **1.3 Properties of Whole Numbers**
- **1.4 Rounding Whole Numbers**
- 1.5 Patterns in Whole Numbers
- 1.6 Translating Statements of Inequality
- 2. Factors and Multiples
- **2.1 Prime and Composite Numbers**
- 2.2 Prime Factorization
- 2.3 Highest Common Factor
- 2.4 Multiples and LCM
- 2.5 Power and Index
- 3. Fractions
- **3.1 Introduction to Fractions**
- 3.2 Converting Improper Fractions to Mixed Fractions and vice-versa
- **3.3 Reducing Fractions to Lowest Terms**
- **3.4 Building Equivalent Fractions**
- 3.5 Finding the Missing part of Equivalent Fractions
- 3.6 Comparing and Listing Fractions in Order
- **3.7 Adding Fractions**
- **3.8 Adding Mixed Fractions**
- **3.9 Subtracting Fractions**

- **3.10 Subtracting Mixed Fractions**
- **3.11 Multiplication of Fractions**
- 3.12 Division of Fractions
- 4. Percents
- **4.1 Understanding Percents**
- **4.2 Problems on Percentage**
- 5. Decimals
- **5.1 Determining Place Values in Decimals**
- **5.2 Listing Decimals in Order**
- **5.3** Addition and Subtraction of Decimals
- **5.4 Multiplication and Division of Decimals**
- **5.5 Rounding Decimals**
- **5.6 Converting Fractions to Percents and Vice-Versa**
- **5.7 Converting Decimals to Fractions and Vice-versa**
- **5.8 Converting Decimals to Percents and Vice-versa**
- 6. Sets
- **6.1 Sets and Set Notations**
- **6.2 Types of Sets**
- 6.3 Subsets
- **6.4 Operations on Sets**
- **6.5 Venn Diagrams**
- 7. Measurement
- 7.1 Units- Weight, Length, Volume
- 7.2 Multiplying and Dividing Measurements by Numbers
- 7.3 Adding and Subtracting Measurements

8. Perimeter and Area
8.1 Perimeter: Rectangle, Square and Equilateral triangle
8.2 Area: Rectangle and Square
8.3 Area of Triangle
9. Time and Temperature
9.1 Convert Temperatures from Celsius to Fahrenheit
10. Visualising Solid Shapes
10.1 Three Dimensional Shapes
10.2 Drawing Solids on Flat Surface
10.3 Viewing Solids
11. Basic Geometrical Ideas
11.1 Geometry Terminology
11.2 Geometrical Shapes
11.3 Measuring Line Segments
11.4 Types of Angles and Measuring Angles
12. Polygons
12.1 Introduction
12.2 Classification of Triangle
12.3 Properties of Triangles
13. Circle
13.1 Circle and its Associated Terms
13.2 Constructing Circle when Radius is given

14.1 Translate Phrases and Statements into Expressions and Equations

14. Algebra

14.2 Algebraic Expressions

- **14.3 Simplifying Algebraic Expressions**
- **14.4 Evaluating Algebraic Expressions**
- **14.5 Understanding Equations**
- **14.6 Solving Equations**
- 14.7 Solving Equations of the Type ax + b = c
- 14.8 Applications of Linear Equation
- 15. Statistics and Probability
- **15.1 Statistics**
- **15.2 Probability**