

Jamaica: Math GSAT

Table of Content with Listing of Activities

1. Whole Numbers, Operations, and Roman Numerals

1.1 Digits and Place Values of Whole Numbers

- Tutorial: Number System
- Tutorial: Periods
- Tutorial: International Number System
- MOPS: Digits and Place Values of Whole Numbers - Int'l System

1.2 Place value and Expanded Form

- Tutorial: Expanded Form
- MOPS: Place value and expanded notation Int'l system
- Tutorial: Expanded Form
- MOPS: Place value and expanded notation Int'l system

1.3 Order Relation

- Tutorial: Comparing and Ordering Whole Numbers
- MOPS: Order Relation International
- MOPS: Order Relation Int'l

1.4 Rounding Whole Numbers

- Tutorial: Rounding Numbers
- MOPS: Rounding Whole Numbers
- Tutorial: Rounding Whole Numbers
- MOPS: Rounding Whole Numbers

1.5 Addition of Whole Numbers

- Tutorial: Addition of Numbers
- Tutorial: Estimation
- Tutorial: Addition: Fun with numbers
- MOPS: Addition and Estimation
- Tutorial: Addition of Large Numbers
- MOPS: Addition and Estimation

1.6 Subtraction of Whole Numbers

- Tutorial: Subtraction
- Tutorial: Subtraction: Fun with numbers
- MOPS: Subtraction and Estimation
- Tutorial: Subtraction of large numbers
- MOPS: Subtraction and Estimation (L1)
- MOPS: Subtraction and Estimation (L2)

1.7 Multiplication of Whole Numbers

- Tutorial: Multiplication
- MOPS: Multiplication (L1)
- Tutorial: Multiplication
- Tutorial: Properties of Multiplication
- Tutorial: Multiplication by different methods
- MOPS: Multiplication (L1)
- MOPS: Multiplication and Estimation (L2)
- MOPS: Multiplication and Estimation (L2)

1.8 Division of Whole Numbers

- Tutorial: Division
- MOPS: Division
- MOPS: Division and Estimation

1.9 Multiplying or Dividing whole numbers by powers of 10

- Tutorial: Multiplication by 10,100 and 1000
- Tutorial: Division by 10, 100 and 1000
- MOPS: Multiplying or Dividing whole numbers by powers of 10

1.10 Word Problems

- MOPS: Word Problems

1.11 Expressions Involving Exponents

- Tutorial: Expressions Involving Exponents
- MOPS: Expressions Involving Exponents

1.12 Simplify the Numerical Expressions

- Tutorial: Simplify the Numerical Expressions
- MOPS: Order of Operation

- MOPS: Simplify the Numerical Expressions

1.13 Average of a Group of a Whole Numbers

- Tutorial: Average of a Group of a Whole Numbers
- MOPS: Average of a Group of a Whole Numbers

1.14 Roman Numerals

- Tutorial: Roman Numbers
- MOPS: Roman Numbers
- Tutorial: Roman Numbers
- MOPS: Roman Numbers

2. Factors, Multiples, Prime Factorizations, GCF, and LCM

2.1 Factors

- Tutorial: Factor
- MOPS: Factors

2.2 Multiples

- Tutorial: Multiples
- MOPS: Multiples
- Tutorial: Common Factors and Multiples
- MOPS: Common Factors and Common Multiples

2.3 Rules of Divisibility (By 2, 3, 4, 5, 6, 8, 9, 10, 11)

- Tutorial1: Rules of Divisibility
- MOPS: Rules of Divisibility (By 2, 3, 4, 5, 9, 10)
- Tutorial 2: Rules of Divisibility
- MOPS: Rules of Divisibility (By 2, 3, 4, 5, 6, 8, 9, 10, 11)

2.4 Prime and Composite Numbers

- Tutorial: Prime Numbers and Composite Numbers
- MOPS: Prime and Composite Numbers

2.5 Prime Factorization, GCD(or HCF) and LCM

- Tutorial1: Prime Factorization
- Tutorial2: H.C.F and L.C.M
- MOPS: Prime Factorization, GCF(or HCF) and LCM
- MOPS: Factors and Multiples-Comprehensive Review

3. Fractions

3.1 Exploring Fractions

- Tutorial: Exploring Fractions
- Tutorial: Facts about Fractions
- MOPS: Exploring Fractions

3.2 Types of Fractions and Conversion

- Tutorial1: Type of Fractions
- MOPS: Types of Fractions
- Tutorial2: Converting Improper Fractions to Mixed Fractions
- MOPS: Converting Improper Fractions to Mixed Numbers and Vice-Versa

3.3 Reducing Fractions

- Tutorial: Reducing a Fraction to Its Lowest Term
- MOPS: Reducing a Fraction to Its Lowest Term

3.4 Multiplication of Fractions

- Tutorial: Multiplication of Fractions
- MOPS: Multiplication of Fractions
- MOPS: Fraction of a Whole number
- MOPS: Fraction of a Whole Numbers, Fraction, Mixed Number

3.5 Division of Fractions

- Tutorial: Division of Fraction
- MOPS: Division of Fraction
- MOPS: Multiplication and Division of Mixed Number

3.6 Building Equivalent Fractions

- Tutorial: Equivalent Fractions
- MOPS: Equivalent Fractions

3.7 Finding Missing Part of an Equivalent Fraction

- Tutorial: Find the Missing Part of the Equivalent Fractions
- MOPS: Find the Missing Part of the Equivalent Fractions

3.8 Comparing and Arranging Like Fraction

- Tutorial: Comparing and Arranging Fractions (Like)

- MOPS: Comparing and Arranging Fraction (Like fraction)

3.9 Comparing and Arranging Unlike Fractions

- Tutorial: Comparing and Arranging Fractions (Like or Unlike)
- MOPS: Comparing and Arranging Fraction (Unlike fraction)

3.10 Addition of Fractions

- Tutorial: Addition of Like Fraction
- MOPS: Addition of Fractions (Like fraction)
- Tutorial: Addition of Unlike Fraction
- MOPS: Addition of Fractions (Two-unlike fraction) (L1)
- MOPS: Addition of Fractions (Three-unlike fractions) (L2)
- MOPS: Addition of Fractions (Unlike fractions) (L3)

3.11 Subtraction of Fractions

- Tutorial: Subtraction of Like Fraction
- Tutorial: Subtraction of Unlike Fraction
- MOPS: Subtraction of Fractions (Like and Unlike)

3.12 Addition and Subtraction of Mixed Numbers

- Tutorial: Adding Mixed Numbers
- Tutorial: Subtracting Mixed Numbers
- MOPS: Addition and Subtraction of Mixed Numbers

3.13 Simplifying Expressions Involving Fractions

- Tutorial: Simplifying Expressions Involving Fractions
- MOPS: Simplifying Expressions Involving Fractions

4. Decimals and Square Roots

4.1 Digit and Place Value of Decimals

- Tutorial 1: Decimal Fractions
- Tutorial 2: Decimals and Whole Numbers
- Tutorial: Decimals
- MOPS: Digit and Place Value of Decimals International

4.2 Conversion (Fraction-decimal), Short Form and Expanded Notation

- Tutorial 1: Expanded Form of Decimals
- Tutorial 2: Converting Fractions into Decimals

- MOPS: Conversion (Fraction-decimal), Short Form and Expanded Notation

4.3 Conversion (Unlike to Like), Comparing and Arranging Decimals

- Tutorial: Comparing and Ordering Decimals
- MOPS: Conversion (Unlike to Like), Comparing and Arranging Decimals

4.4 Rounding Decimals

- Tutorial: Rounding Decimals
- MOPS: Rounding Decimals

4.5 Addition of Decimals

- Tutorial: Addition of Decimals
- MOPS: Addition of Decimals

4.6 Subtraction of Decimals

- Tutorial: Subtraction of Decimals
- MOPS: Subtraction of Decimals

4.7 Multiplication of Decimals

- Tutorial: Multiplication of Decimals
- MOPS: Multiplication of Decimal

4.8 Division of Decimals by Whole Numbers

- Tutorial: Division of Decimals
- MOPS: Division of Decimals by Whole Numbers

4.9 Dividing Decimals by Decimal

- Tutorial: Division of a Decimal Number by a Decimal Number
- MOPS: Dividing Decimals by Decimal

4.10 Simplifying Square Roots

- Tutorial: Simplifying Square Roots
- MOPS: Simplifying Square Roots

5. Percents and Applications of Percents

5.1 Introduction to Percentage

- Tutorial: Introduction to Percentage
- MOPS: Introduction to Percentage

5.2 Converting Percentage to Fractions and Decimals

- Tutorial: Converting Percents to Decimals

- Tutorial: Converting Percentage to Fractions
- MOPS: Converting Percentage to Fractions and Decimals

5.3 Converting Fractions and Decimals to Percentage

- Tutorial: Converting Fractions to Percentage
- Tutorial: Converting Decimals to Percentage
- MOPS: Converting Fractions and Decimals to Percentage

5.4 Equivalent Fractions, Decimals and Percents

- Tutorial: Equivalent Fractions, Decimals and Percents
- MOPS: Equivalent Fractions, Decimals and Percents

5.5 Applications of Percents

- Tutorial: Applications of Percents
- MOPS: Applications of Percents

6. Ratio, Unit Rate and Proportion

6.1 Ratio and Unit Rate

- Tutorial: Ratio and Unit Rate
- MOPS: Ratio and Unit Rate

6.2 Solving Proportions

- Tutorial: Solving Proportions
- MOPS: Solving Proportions

7. Sets and Operations on Sets

7.1 Sets and Set Notations

- Tutorial: Sets and Set Notations
- MOPS: Sets and Set Notations

7.2 Types of Sets

- Tutorial: Types of Sets
- MOPS: Types of Sets

7.3 Subsets

- Tutorial: Subsets
- MOPS: Subsets

7.4 Operations on Sets

- Tutorial: Operations on Sets

- MOPS: Operations on Sets

7.5 Venn Diagrams

- Tutorial: Venn Diagrams
- MOPS: Venn Diagrams

8. Algebra: Variables, Expressions, Equations, Exponents

8.1 Understanding Variables

- Tutorial: Understanding Variables
- MOPS: Understanding Variables

8.2 Translate Phrases or Statements into Expressions or Equations

- Tutorial: Translate Phrases or Statements into Expressions or Equations
- MOPS: Translate Phrases or Statements into Expressions or Equations

8.3 Evaluating Algebraic Expressions

- Tutorial: Evaluating Algebraic Expressions
- MOPS: Evaluating Algebraic Expressions

8.4 Simplifying Linear Equations

- Tutorial: Simplifying Linear Equations
- MOPS: Simplifying Linear Equations

8.5 Exponents

- Tutorial: Exponents
- MOPS: Exponents

8.6 Laws of Exponents

- Tutorial: Laws of Exponents
- MOPS: Laws of Exponents

9. Geometry: Basics, Polygons, and Circle

9.1 Plane, Point, Line segment, Line, Ray

- Tutorial: Line, Line Segment, Ray and Plane
- MOPS: Plane, Point, Line segment, Line, Ray
- MOPS: Plane, Point, Line segment, Line, Ray-I
- MOPS: Plane, Point, Line segment, Line, Ray-II
- MOPS: Parallel, Perpendicular and Intersecting Lines

9.2 Measuring and Classifying Angles

- Tutorial: Concepts of Angles
- MOPS: Concepts of Angles
- Tutorial: Measuring and Classifying Angles
- MOPS: Measuring and Classifying Angles

9.3 Pairs and Related Angles

- Tutorial: Pairs and Related Angles
- MOPS: Pairs and Related Angles

9.4 Parallel lines and Special Angle Pairs

- Tutorial: Parallel lines and Special Angle Pairs
- MOPS: Parallel lines and Special Angle Pairs

9.5 Curves and Polygons

- Tutorial: Curves and Polygons
- MOPS: Curves and Polygons

9.6 Quadrilaterals

- Tutorial: Quadrilaterals
- MOPS: Quadrilaterals

9.7 Quadrilaterals: Parallelogram

- Tutorial: Quadrilaterals: Parallelogram
- MOPS: Quadrilaterals: Parallelogram

9.8 Introduction: Triangles

- Tutorial: Introduction: Triangles
- MOPS: Introduction: Triangles

9.9 Properties of Triangles

- Tutorial: Properties of Triangles
- MOPS: Properties of Triangles

9.10 Circles

- Tutorial: Circle
- MOPS: Circles
- Tutorial: Circle
- MOPS: Circles

10. Exploring Shapes

10.1 Understanding Symmetry

- Tutorial: Understanding Symmetry
- Understanding Symmetry

10.2 Lines of Symmetry

- Tutorial: Number of Lines of Symmetry
- Lines of Symmetry

10.3 Turning Shapes

- MOPS: Turning Shapes

10.4 Patterns

- Tutorial: Patterns
- MOPS: Tessellations
- MOPS: Reflection
- MOPS: Number Patterns &5

11. Measurements: Basic Operations, Conversions, Time and Temperatures

11.1 Addition and Subtraction of Measures

- Tutorial: The Metric Measures
- Tutorial: Addition and Subtraction of Metric Measures
- MOPS: Addition and Subtraction of Measures

11.2 Multiplying and Dividing Measurements

- Tutorial: Multiplication and Division of Metric Measures
- MOPS: Multiplying and Dividing Measurements

11.3 Measurement of Length

- Tutorial: Length
- MOPS: Measurement of Length (Conversions and Word Problems)
- Tutorial: Measures of Length
- MOPS: Measurement of Length (Conversions and Word Problems)

11.4 Measurement of Mass

- Tutorial: Measures of weight
- MOPS: Measurement of Mass (Conversions and Word Problems)
- Tutorial: Measures of Mass
- MOPS: Measurement of Mass (Conversions and Word Problems)

11.5 Measurement of Capacity

- Tutorial: Measures of capacity
- MOPS: Measurement of Capacity (Conversions and Word Problems)
- Tutorial: Measures of Capacity
- MOPS: Measurement of Capacity (Conversions and Word Problems)

11.6 Reading Time

- Tutorial: Time
- MOPS: Reading Time

11.7 Use of a.m. and p.m.

- Tutorial: The 12 hour Clock
- MOPS: Use of a.m. and p.m.

11.8 24 Hour Clock

- Tutorial: The 24 hour Clock
- MOPS: 24 Hour Clock

11.9 Calendar

- Tutorial: Remembering Days by the Calendar
- MOPS: Calendar

11.10 Conversion from one Unit to Another

- Tutorial1: Converting Lesser Units of Time into Larger Units
- Tutorial2: Converting Larger Units of Time into Lesser Units
- MOPS: Conversion from one Unit to Another

11.11 Addition and Subtraction of Time

- Tutorial: Addition and Subtraction
- MOPS: Addition and Subtraction of Time

11.12 Finding the Starting time or Finishing time

- MOPS: Finding the Starting time or Finishing time

11.13 Finding the Starting Date or Finishing Date

- MOPS: Finding the Starting Date or Finishing Date

11.14 Temperature

- MOPS: Temperature

12. Perimeter and Area of Polygons and Circle

12.1 Perimeter and Area of Rectangles and Squares

- Tutorial: Perimeter and Area
- MOPS: Perimeter and Area of Rectangles and Squares
- Tutorial: Perimeter and Area
- Tutorial: Perimeter and Area of Rectangle and Square
- MOPS: Perimeter and Area of Rectangles and Squares

12.2 Area of Triangles, Parallelogram and Trapezoids

- Tutorial: Area of Triangles, Parallelogram and Trapezoids
- MOPS: Area of Triangles, Parallelogram and Trapezoids

12.3 Circumference and Area of Circle

- Tutorial: Circumference and Area of Circle
- MOPS: Circumference and Area of Circle

13. Solid Shapes: Shapes and Volume of Cuboid and Cube

13.1 Shapes

- Tutorial: Visualizing 3-d Shapes
- Tutorial 1: Nets
- Tutorial 2: Drawing 3-D Shapes
- MOPS: Shapes

13.2 Volume of Solid Shapes

- Tutorial: Volume
- MOPS: Volume of Solid Shapes

13.3 Volume of Cuboids and Cubes

- Tutorial: Volume of Cuboid
- MOPS: Volume of Cuboids (L1)
- MOPS: Volume of Cube, Cuboids and Word Problems (L2)

13.4 Volume of Other Shapes

- MOPS: Volume of Other Shapes

14. Statistics & Probability

14.1 Reading and Interpreting Data

- Tutorial: Data: Recording and Organization

- MOPS: Reading and Interpreting Data

14.2 Pictographs

- Tutorial: Pictographs
- MOPS: Pictographs

14.3 Bar Graphs

- Tutorial: Reading Bar Graphs
- MOPS: Reading Bar Graphs

14.4 Tally Marks

- MOPS: Tally Marks

14.5 Line Graph

- Tutorial: Line Graph
- MOPS: Line Graph

14.6 Pie Chart

- Tutorial: Circle Graphs
- MOPS: Pie Chart

14.7 Mean, median, Mode and Range

- Tutorial: Mean, median, Mode and Range
- MOPS: Mean, median, Mode and Range

14.8 Probability

- Tutorial: Probability
- MOPS: Probability

Comprehensive Review

- Number System: Comprehensive Review
- Algebra: Comprehensive Review
- Geometry: Comprehensive Review
- Mensuration: Comprehensive Review
- Statistics & Probability: Comprehensive Review