

## PR\_Math 5

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## PR\_Math 5

### 1. Operations And Algebraic Thinking 5.OA

#### 1.1 Working with Whole Numbers 5.OA

1. Tutorial: Place Value
2. 1101-MOPS: Digits and Place Values of Whole Numbers - Int'l System
3. 1102-MOPS: Reading and Writing Multi-digit Whole Number
4. Tutorial: Expanded Form
5. 1103-MOPS: Place Value and Expanded Notation
6. Tutorial: Comparing Whole Numbers
7. 1104-MOPS: Comparing and Ordering Whole Numbers
8. Tutorial: Rounding Whole Numbers
9. 1105-MOPS: Rounding Off Whole Numbers

10. 1106-MOPS: Estimation
11. Tutorial: Multiplication by 10,100 and 1000
12. Tutorial: Division by 10, 100 and 1000
13. 1107-MOPS: Multiplying or Dividing Whole Numbers by Powers of 10
14. Tutorial: Simplify the Numerical Expressions
15. 1108-MOPS: Simplify the Numerical Expressions

## **2. Number And Operations in Base Ten 5.NBT**

### **2.1 Understanding Decimals 5.NBT**

1. Tutorial: Decimals
2. 2101-MOPS: Digit and Place Value of Decimals
3. Tutorial 1: Expanded Form of Decimals
4. Tutorial 2: Converting Fractions into Decimals
5. 2102-MOPS: Conversion (Fraction-decimal), Short Form and Expanded Notation
6. Tutorial: Comparing and Ordering Decimals
7. 2103-MOPS: Comparing and Arranging Decimals
8. Tutorial: Rounding Decimals
9. 2104-MOPS: Rounding Off Decimals

### **2.2 The Four Operations of Decimals 5.NBT**

1. Tutorial: Addition of Decimals
2. 2201-MOPS: Addition of Decimals
3. Tutorial: Subtraction of Decimals
4. 2202-MOPS: Subtraction of Decimals
5. 2203-MOPS: Problem Solving (Addition and Subtraction)
6. Tutorial: Multiplying Decimal Fractions by a Whole Number
7. Tutorial: Multiplication of Decimals
8. 2204-MOPS: Multiplication of Decimal
9. Tutorial: Division of Decimals
10. 2205-MOPS: Division of Decimals
11. Tutorial: Division of a Decimal Number by a Decimal Number
12. 2206-MOPS: Division of a Decimal by a Decimal

## **3. Number And Operations - Fractions 5.NF**

### **3.1 Fraction and Division 5.NF**

1. Tutorial: Converting Improper Fractions to Mixed Fractions
2. 3101-MOPS: Converting Improper Fractions to Mixed Numbers and Vice - Versa
3. 3102-MOPS: Word Problem: Converting Improper Fractions to Mixed Numbers

### **3.2 Addition and Subtraction of Fractions 5.NF**

1. Tutorial: Addition of Unlike Fraction
2. 3201-MOPS: Addition of Two Unlike Fractions
3. 3202-MOPS: Addition of Three Unlike Fractions
4. 3203-MOPS: Addition of Fractions
5. Tutorial: Subtraction of Unlike Fractions
6. 3204-MOPS: Subtraction of Like and Unlike Fractions
7. 3205-MOPS: Addition and Subtraction of Mixed Numbers

### **3.3 Word Problems Involving Addition and Subtraction 5.NF**

1. 3301-MOPS: Problem Solving (Addition and Subtraction) - L 2

### **3.4 Product of Fractions 5.NF**

1. Tutorial: Multiplying Fractions
2. 3401-MOPS: Multiplication of Fractions
3. 3402-MOPS: Fraction as a Whole Number, a Fraction, or a Mixed Number

### **3.5 Division of Fractions 5.NF**

1. Tutorial: Division of Fraction
2. 3501-MOPS: Division of Fraction
3. 3502-MOPS: Multiplication and Division of Mixed Number

### **3.6 Word Problems Involving Multiplication and Division 5.NF**

1. 3601-MOPS: Problem Solving (Multiplication and Division)

## **4. Measurement And Data 5.MD**

### **4.1 Convert Like Measurement Units 5.MD**

1. Tutorial 1: Conversion of Measurements within Metric Units
2. Tutorial 2: Conversion of Measurements within Customary Units
3. 4101-MOPS: Conversion of Measurements Within Metric Units
4. 4102-MOPS: Conversion of Measurement Within Customary Units

### **4.2 Represent and Interpret Data 5.MD**

1. Tutorial: Line Graphs
2. 4201-MOPS: Line Graphs

### **4.3 Classifying 2-D Figures 5.MD**

1. Tutorial: Polygons
2. 4301-MOPS: Polygons
3. Tutorial: Introduction: Triangles
4. 4302-MOPS: Introduction: Triangles
5. Tutorial: Identifying Types of Quadrilaterals
6. 4303-MOPS: Quadrilaterals

#### **4.4 Perimeter and Area 5.MD**

1. Tutorial: Perimeter and Area
2. 4401-MOPS: Perimeter and Area of Polygons
3. 4402-MOPS: Perimeter and Area of Rectangles and Squares
4. Tutorial: Area of Triangles, Parallelograms, and Trapezoids
5. 4403-MOPS: Area of Triangles, Parallelograms and Trapezoids
6. 4404-MOPS: More on Areas of Triangles

#### **4.5 Volume of Solid Shapes 5.MD**

1. Tutorial: Volume
2. 4501-MOPS: Volume of Solid Shapes
3. Tutorial: Volume of Rectangular Prism
4. 4502-MOPS: Volume of Rectangular Prisms
5. 4503-MOPS: Volume of Rectangular Prisms
6. 4504-MOPS: Volume of Other Shapes
7. Tutorial: Finding Volumes of Prisms and Pyramids
8. 4505-MOPS: Finding Volumes of Prisms and Pyramids

### **5. Geometry 5.G**

#### **5.1 Graph Points on the Coordinate Plane 5.G**

1. Tutorial: Graphing Ordered Pairs
2. 5101-MOPS: Plot a Set of Ordered Pairs