

## US\_Math 3

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### 1. Operations and Algebraic Thinking 3.OA

#### 1.1 Representing and Solving Problems Involving Multiplication and Division 3.OA

- 1. Tutorial: Multiplication
- 2. 1101-Activity: Visualizing Multiplication
- 3. Tutorial: Division
- 4. 1102-Activity: Division

#### 1.2 Multiplication and Division by 2 and 3 3.OA

- 1. 1201-Activity: Multiplication by 2
- 2. 1202-Activity: Finding the missing factor when multiplying by 2
- 3. 1203-Activity: Problem solving with multiplication by 2

4. 1204-Activity: Multiplication by 3
5. 1205-Activity: Finding the missing factor when multiplying by 3
6. 1206-Activity: Problem solving with multiplication by 3
7. 1207-Activity: Multiplication by 2 and by 3
8. 1208-Activity: Finding the missing factor when multiplying by 2 and by 3
9. 1209-Activity: Problem solving with multiplication by 2 and 3
10. 1210-Activity: Division by 2
11. 1211-Activity: Problem solving with division by 2
12. 1212-Activity: Problem solving with multiplication and division by 2
13. 1213-Activity: Division by 3
14. 1214-Activity: Problem solving with division by 3
15. 1215-Activity: Problem solving with multiplication and division by 3
16. 1216-Activity: Division by 2 and 3
17. 1217-Activity: Problem solving with division by 2 and 3

### **1.3 Multiplication and Division by 4, 5 and 10 3.OA**

1. 1301-Activity: Multiplication by 4
2. 1302-Activity: Finding the missing factor when multiplying by 4
3. 1303-Activity: Problem solving with multiplication by 4
4. 1304-Activity: Multiplication by 5
5. 1305-Activity: Finding the missing factor when multiplying by 5
6. 1306-Activity: Problem solving with multiplication by 5
7. 1307-Activity: Multiplication by 4 and by 5
8. 1308-Activity: Finding the missing factor when multiplying by 4 and by 5
9. 1309-Activity: Problem solving with multiplication by 4 and 5
10. 1310-Activity: Multiplication by 10
11. 1311-Activity: Finding the missing factor when multiplying by 10
12. 1312-Activity: Problem solving with multiplication by 10
13. 1313-Activity: Division by 4
14. 1314-Activity: Problem solving with division by 4
15. 1315-Activity: Problem solving with multiplication and division by 4
16. 1316-Activity: Division by 5
17. 1317-Activity: Problem solving with division by 5
18. 1318-Activity: Problem solving with multiplication and division by 5
19. 1319-Activity: Division by 4 and 5
20. 1320-Activity: Problem solving with division by 4 and 5
21. 1321-Activity: Division by 10
22. 1322-Activity: Problem solving with division by 10
23. 1323-Activity: Problem solving with multiplication and division by 10

### **1.4 Multiplication and Division by 6, 7, 8 and 9 3.OA**

1. 1401-Activity: Multiplication by 6
2. 1402-Activity: Finding the missing factor when multiplying by 6
3. 1403-Activity: Problem solving with multiplication by 6

4. 1404-Activity: Multiplication by 7
5. 1405-Activity: Finding the missing factor when multiplying by 7
6. 1406-Activity: Problem solving with multiplication by 7
7. 1407-Activity: Multiplication by 6 and by 7
8. 1408-Activity: Finding the missing factor when multiplying by 6 and by 7
9. 1409-Activity: Problem solving with multiplication by 6 and 7
10. 1410-Activity: Multiplication by 8
11. 1411-Activity: Finding the missing factor when multiplying by 8
12. 1412-Activity: Problem solving with multiplication by 8
13. 1413-Activity: Multiplication by 9
14. 1414-Activity: Finding the missing factor when multiplying by 9
15. 1415-Activity: Problem solving with multiplication by 9
16. 1416-Activity: Multiplication by 8 and by 9
17. 1417-Activity: Finding the missing factor when multiplying by 8 and by 9
18. 1418-Activity: Problem solving with multiplication by 8 and 9
19. 1419-Activity: Multiplication by 2 through 9
20. 1420-MOPS: Factors and Products
21. 1421-Activity: Problem solving with multiplication by 2 through 10
22. 1422-Activity: Problem solving with division by 6
23. 1423-Activity: Problem solving with multiplication and division by 6
24. 1424-Activity: Problem solving with division by 7
25. 1425-Activity: Problem solving with multiplication and division by 7
26. 1426-Activity: Problem solving with division by 8
27. 1427-Activity: Problem solving with multiplication and division by 8
28. 1428-Activity: Problem solving with division by 9
29. 1429-Activity: Problem solving with multiplication and division by 9

### **1.5 Properties of Multiplication and Division 3.OA**

1. Tutorial: Properties of Multiplication
2. Tutorial: Properties of Division
3. 1501-MOPS: Properties of Division

### **1.6 Solving Word Problems using the Four Operations 3.OA**

1. 1601-Activity: Problem Solving
2. 1602-Activity: Problem Solving

## **2. Number and Operations in Base Ten 3.NBT**

### **2.1 Reading Numbers 3.NBT**

1. Tutorial: Periods
2. 2101-MOPS: Digits and Place Values of Whole Numbers - Int'l System

### **2.2 Understanding Patterns 3.NBT**

1. Tutorial: Numbers Patterns
2. 2201-Activity: Recognize Number Patterns
3. 2202-Activity: Number Patterns

### **2.3 Comparing and Ordering 3.NBT**

1. Tutorial: Comparing and Ordering Whole Numbers
2. 2301-MOPS: Order Relation

### **2.4 Addition of Numbers 3.NBT**

1. Tutorial: Addition of Numbers
2. 2401-MOPS: Addition of Whole Numbers

### **2.5 Subtraction of Numbers 3.NBT**

1. Tutorial: Subtraction
2. 2501-MOPS: Subtraction of Whole Numbers
3. 2502-MOPS: Addition and Subtraction of Money

### **2.6 Multiplication of Numbers 3.NBT**

1. Tutorial: Multiplication
2. 2601-MOPS: Multiplication
3. 2602-MOPS: Word Problems

## **3. Fractions 3.NF**

### **3.1 Fractions of a Whole 3.NF**

1. Tutorial: Parts of Fraction-Numerator, Fraction bar, and Denominator
2. Tutorial: Representing Fractions
3. 3101-MOPS: Exploring Fractions
4. Tutorial: Comparing and Arranging Fractions (Like or Unlike)
5. 3102-MOPS: Comparing Fractions

### **3.2 Equivalent Fraction 3.NF**

1. Tutorial: Equivalent Fractions and Comparing Fractions
2. 3201-MOPS: Equivalent Fractions
3. 3202-MOPS: Find the Missing Part of the Equivalent Fractions
4. 3203-MOPS: Comparing and Arranging Fractions (Like or Unlike)
5. 3204-MOPS: Comparing and Arranging Unlike Fractions

## **4. Measurement and Data 3.MD**

### **4.1 Measurement and Estimation of Time 3.MD**

1. Tutorial: Time
2. 4101-MOPS: Reading Time
3. Tutorial: Use of a.m. and p.m. Time
4. 4102-MOPS: Use of a.m. and p.m.
5. Tutorial: Time
6. Tutorial 1: Converting Lesser Units of Time into Larger Units
7. Tutorial 2: Converting Larger Units of Time into Lesser Units
8. 4103-MOPS: Conversion from one Unit to Another
9. Tutorial: Addition and Subtraction of Time
10. 4104-MOPS: Addition and Subtraction of Time
11. Tutorial: Duration of Time
12. 4105-MOPS: Duration of an Activity

#### **4.2 Measurement and Estimation of Length 3.MD**

1. Tutorial: Metric Measures of Length
2. 4201-MOPS: Conversion from one Unit to Another
3. Tutorial: Addition and Subtraction of Metric Lengths
4. 4202-Activity: Addition and Subtraction of Metric Lengths
5. 4203-Activity: Addition and Subtraction of Metric Lengths
6. 4204-Activity: Conversions Word Problems, Mixed Type
7. Tutorial: Customary Units of Length
8. 4205-MOPS: Customary Units of Length (Conversion and Word Problem)

#### **4.3 Measurement and Estimation of Weight 3.MD**

1. Tutorial: Metric Measures of Weight
2. 4301-Activity: Conversion from one Unit to Another
3. Tutorial: Addition and Subtraction of Metric Weights
4. 4302-Activity: Addition and Subtraction of Metric Weights
5. 4303-Activity: Addition and Subtraction of Metric Weights
6. 4304-Activity: Applications with Mixed Operation on kg or g
7. Tutorial: Customary Units of Weight
8. 4305-MOPS: Customary Units of Weight (Conversion and Word Problems)

#### **4.4 Measuring Capacity 3.MD**

1. Tutorial: Metric Measures of Capacity
2. 4401-Activity: Conversion from one Unit to Another
3. Tutorial: Addition and Subtraction of Metric Capacities
4. 4402-Activity: Addition and Subtraction of Metric Capacities
5. 4403-Activity: Applications Involving l and ml
6. Tutorial: Customary Units of Capacity
7. 4404-MOPS: Customary Units of Capacity (Conversions and Word Problems)

#### **4.5 Graphs 3.MD**

1. Tutorial: Bar Graphs
2. 4501-MOPS: Reading Bar Graphs

#### **4.6 Understanding Concepts of Area 3.MD**

1. Tutorial : Studying Area
2. 4601-MOPS: Studying Area
3. Tutorial: Perimeter and Area
4. 4602-MOPS: Perimeter and Area of Polygons

### **5. Geometry 3.G**

#### **5.1 Reasons with Shapes and Their Attributes 3.G**

1. Tutorial: Angles and Right Angles
2. 5101-Activity: Identify types of Angles
3. 5102-Activity: How many angles are of  $90^\circ$
4. 5103-Activity: Number of angles and right angles