

## Tentative Scope and Sequence Math 6

### **Chapter 1: Working with Whole Numbers**

#### **day**

1. Lesson 1: Place value/large numbers/odds & evens
2. Lesson 2: Rounding tricks
3. Lesson 3: Addition (short and long)
4. Lesson 4: Subtraction (short and long)
5. Lesson 5: Multiplication basics and multiplication facts review
6. Lesson 6: Long multiplication
7. Lesson 7: Division basics
8. Lesson 8: Division tricks and three ways of writing division
9. Lesson 9: Long division
10. Chapter 1 Practice and Review
11. Chapter 1 Quiz

### **Chapter 2: More Graphs and Charts**

#### **day**

12. Lesson 10: Clocks and Time Zones of the USA and Canada
13. Lesson 11: Map skills basics
14. Lesson 12: Physical maps
15. Lesson 13: Political maps
16. Lesson 14: Reading map scales and keys
17. Chapter 2 Practice and Review
18. Chapter 2 Quiz

### **Chapter 3: Whole numbers in the real world**

#### **day**

19. Lesson 15: Critical thinking - what operation do I use? (part 1)
20. Lesson 16: Critical thinking - what operation do I use? (part 2)
21. Lesson 17: Story problems - clue words for adding
22. Lesson 18: Story problems - clue words for subtracting
23. Lesson 19: Story problems - clue words for multiplying and dividing (part 1)
24. Lesson 20: Story problems - clue words for multiplying and dividing (part 2)
25. Lesson 21: Calculator skills
26. Chapter 3 Practice and Review
27. Chapter 3 Quiz

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### **Chapter 4: Averaging, Rounding, and Roman Numerals**

#### **day**

28. Lesson 22: Averaging with smaller numbers
29. Lesson 23: Averaging with larger numbers/Using a Calculator to average - rounding decimals to the nearest whole number
30. Lesson 24: Story problems using averaging
31. Lesson 25: A Comprehensive Review of Place Value
32. Lesson 26: Rounding whole numbers to the millions and billions place
33. Lesson 27: Roman Numeral basics
34. Lesson 28: More about Roman Numerals
35. Chapter 4 Practice and Review
36. Chapter 4 Quiz

### **Chapter 5: Fractions**

#### **day**

37. Lesson 29: Fraction basics - working with part of a whole
38. Lesson 30: Fraction basics - comparing fractions
39. Lesson 31: Working with Equivalent fractions to develop critical thinking part 1
40. Lesson 32: Working with Equivalent fractions to develop critical thinking part 2
41. Lesson 33: Practice making equivalent fractions Hands-on!
42. Chapter 5 Practice and Review
43. Chapter 5 Quiz

### **Chapter 6: Working with factors**

#### **day**

44. Lesson 34: Factoring
45. Lesson 35: More work with factoring and equivalent fractions
46. Lesson 36: Greatest Common Factors
47. Lesson 37: Reducing fractions using greatest common factors
48. Lesson 38: More work with reducing using greatest common factors
49. Lesson 39: Factoring and Cancelation
50. Lesson 40: Reducing and Canceling
51. Chapter 6 Practice and Review
52. Chapter 6 Quiz

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### **Chapter 7: More about Fractions - Mixed numbers**

#### **day**

53. Lesson 41: Mixed Numbers and Improper Fractions
54. Lesson 42: Changing Mixed Numbers to Improper Fractions
55. Lesson 43: Converting improper fractions to mixed numbers
56. Lesson 44: What are Ratios?
57. Lesson 45: What are Proportions?
58. Lesson 46: More Work with Ratios and Proportions
59. Chapter 7 Practice and Review
60. Chapter 7 Quiz

### **Chapter 8: Using Factors and Multiples in Operations**

#### **day**

61. Lesson 47: Factor or Multiple?
62. Lesson 48: Working with Multiples/finding common multiples
63. Lesson 49: Common Multiples and Least Common Multiples
64. Lesson 50: Using Least Common Multiples to find common denominators
65. Lesson 51: More practice with finding common denominators
66. Chapter 8 Practice and Review
67. Chapter 8 Quiz

### **Chapter 9: When the Bottom Number is different...**

#### **day**

68. Lesson 52: Review of Fraction Basics
69. Lesson 53: Review of operations with mixed numbers and improper fractions
70. Lesson 54: Review of operations with factors and multiples
71. Lesson 55: Review of ratios and proportions
72. Chapter 9 Practice and Review hands-on project
73. Chapter 9 Quiz

### **Chapter 10: Adding and Subtracting Fractions and Mixed Numbers**

#### **day**

74. Lesson 56: Subtracting Mixed Numbers with borrowing (common denominators)
75. Lesson 57: Adding mixed numbers with carrying (uncommon denominators)

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- 76. Lesson 58: Subtraction Mixed numbers with borrowing (uncommon denominators)
- 77. Lesson 59: More practice Adding and Subtraction mixed numbers with carrying and borrowing
- 78. Lesson 60: Focus Lesson: Story problems
- 79. Chapter 10 Practice and Review
- 80. Chapter 10 Quiz

## **Chapter 11: Multiplying and Dividing Fractions**

### **day**

- 81. Lesson 60: Multiplying Fractions
- 82. Lesson 61: More Multiplying Fractions
- 83. Lesson 62: Multiplying Fractions and Whole Numbers
- 84. Lesson 63: Dividing Fractions
- 85. Lesson 64: More Dividing Fractions
- 86. Lesson 65: Dividing Fractions and Whole Numbers
- 87. Chapter 11 Practice and Review
- 88. Chapter 11 Quiz

## **Chapter 12: Fractions in the Real World**

### **day**

- 89. Lesson 66: Fraction Project Day 1
- 90. Lesson 67: Fraction Project Day 2
- 91. Lesson 68: Fraction Project Day 3
- 92. Lesson 69: Fraction Project Day 4
- 93. Show and Tell Day for Fraction Project

## **Chapter 13: Decimal Basics**

### **day**

- 94. Lesson 70: Another Way to Express Fractional Parts
- 95. Lesson 71: Writing Fractions (and mixed numbers) as Decimals
- 96. Lesson 72: Decimal Place Value
- 97. Lesson 73: Comparing the Value of Decimals
- 98. Lesson 74: Adding and Subtracting Decimals
- 99. Chapter 13 Practice and Review
- 100. Chapter 13 Quiz

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### **Chapter 14: More Work with Decimals**

#### **day**

- 101. Lesson 75: Rounding and Estimating
- 102. Lesson 76: multiplying decimals by 10, 100, 1000
- 103. Lesson 77: dividing decimals by 10, 100, 1000
- 104. Lesson 78: “filling in the holes”, getting rid of extra zeroes
- 105. Lesson 79: Subtracting Decimals from Whole Numbers
- 106. Lesson 80: Adding Decimals to Whole Numbers
- 107. Lesson 81: When You Need to Divide two Decimals
- 108. Chapter 14 Practice and Review
- 109. Chapter 14 Quiz

### **Chapter 15: Using Decimals in the Real World**

#### **day**

- 110. Lesson 82: Money
- 111. Lesson 83: More about Money
- 112. Lesson 84: Checking Accounts
- 113. Lesson 85: Account Statements
- 114. Lesson 86: Finding the Best Deal
- 115. Chapter 15 Practice and Review
- 116. Chapter 15 Quiz

### **Chapter 16: Percents**

#### **day**

- 117. Lesson 87: Parts per 100
- 118. Lesson 88: Matching Percents with Fractions and Decimals
- 119. Lesson 89: Finding Percents
- 120. Lesson 90: Finding Percents of Large Numbers
- 121. Lesson 91: More Work with Percents
- 122. Lesson 92: Using Percents in Real Life - Credit Cards and Savings Accounts
- 123. Chapter 16 Practice and Review
- 124. Chapter 16 Quiz

### **Chapter 17: Geometry**

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### day

- 125. Lesson 93: Geometry Terms
- 126. Lesson 94: Angles
- 127. Lesson 95: More about Angles
- 128. Lesson 96: Lines - Segments - Rays
- 129. Lesson 97: Pairs of Lines
- 130. Lesson 98: Parallel, intersecting, and perpendicular
- 131. Lesson 99: Circles
- 132. Lesson 100: Polygons
- 133. Lesson 101: Quadrilaterals
- 134. Chapter 17 Practice and Review
- 135. Chapter 17 Quiz

## Chapter 18: More about Geometry

### day

- 136. Lesson 102: Types of Triangles
- 137. Lesson 103: Perimeter
- 138. Lesson 104: Area of Polygons
- 139. Lesson 105: Area of Circles
- 140. Lesson 106: Geometric Solids
- 141. Lesson 107: Degrees in Angles
- 142. Lesson 108: Using a Ruler
- 143. Lesson 109: Using a Compass
- 144. Lesson 110: Using a Protractor
- 145. Chapter 18 Practice and Review
- 146. Chapter 18 Quiz

## Chapter 19: Geometry in Real Life

### day

- 147. Lesson 111: Geometry Project Day 1
- 148. Lesson 112: Geometry Project Day 2
- 149. Lesson 113: Geometry Project Day 3
- 150. Lesson 114: Geometry Project Day 4
- 151. Optional day to finish up Geometry Project

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### **Chapter 20: Graphs and Charts**

#### **day**

- 152. Lesson 115: Types of Charts
- 153. Lesson 116: More Charts
- 154. Lesson 117: Using Charts in Real life
- 155. Lesson 118: The Number Line - Positive Numbers
- 156. Lesson 119: The Number Line - Negative Numbers
- 157. Lesson 120: Adding negative numbers using a number line
- 158. Lesson 121: Subtracting negative numbers using a number line
- 159. Lesson 122: Using Negative numbers in real life
- 160. Lesson 123: Thermometers - Fahrenheit and Celsius
- 161. Chapter 20 Practice and Review
- 162. Chapter 20 Quiz

### **Chapter 21: Additional Topics**

#### **day**

- 163. Lesson 124: Probability - What are the Chances?
- 164. Lesson 125: More about Probability
- 165. Lesson 126: Statistics
- 166. Lesson 127: More about statistics
- 167. Lesson 128: Probability & statistics project
- 168. Lesson 129: Probability & statistics project
- 169. Lesson 130: Using Parentheses
- 170. Lesson 131: Order of Operations
- 171. Lesson 132: More about Order of Operations
- 172. Lesson 133: Measuring Length with the Metric System
- 173. Lesson 134: Measuring Weight with the Metric System
- 174. Lesson 135: Using Metric in real life
- 175. Lesson 136: Time Zones Around the World
- 176. Chapter 21 Practice and Review
- 177. Chapter 21 Quiz

### **Chapter 22: Final review and exam**

#### **day**

- 178. Cumulative Practice and Review part 1

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179: Cumulative Practice and Review part 2  
180. Final Exam