

5th Grade Mathematics Pacing Guide

Day	Topic/Theme	Common Core State Standard(s)	Lesson(s)	Note(s)
Multiplying and Dividing Whole Numbers				
See CMAPP (Resources Tab for Daily Routine Problem of the Day for the Year)				
1	First Day of School – Mathematical Practices Introduction			
2	Powers of Ten	5.NBT.1 5.NBT.2	Alignment Lesson: Powers of Ten	
3	Multiplying and Dividing Whole Numbers	5.NBT.5	Unit 7 Lesson 2: The Area of Multiplication	Focus is on multiplication. Review Unit 7 Lesson 1: Shift Patterns in Multiplication as needed.
4	Multiplying and Dividing Whole Numbers	5.NBT.5	Alignment Lesson: Connect Multiplication Strategies	Focus is on multiplication.
5	Multiplying and Dividing Whole Numbers	5.NBT.5	Alignment Lesson: Practice Standard Algorithm	
6	Multiplying and Dividing Whole Numbers	5.NBT.5	Alignment Lesson: Open House Celebration (Day 1 of 2)	Focus is on multiplication.
7	Multiplying and Dividing Whole Numbers	5.NBT.5	Alignment Lesson: Open House Celebration (Day 2 of 2)	Focus is on multiplication.
8	Multiplying and Dividing Whole Numbers	5.NBT.6	Alignment Lesson: Explore Division Strategies	The formal algorithm for division is not an expectation in 5 th grade.
9	Multiplying and Dividing Whole Numbers	5.NBT.6	Alignment Lesson: Modeling Division with 2-Digit Divisor	The formal algorithm for division is not an expectation in 5 th grade.
10	Multiplying and Dividing Whole Numbers	5.NBT.6	Alignment Lesson: More 2-Digit Divisors	The formal algorithm for division is not an expectation in 5 th grade.
11	Multiplying and Dividing Whole Numbers	5.NBT.6	Alignment Lesson: Estimating Quotients	The formal algorithm for division is not an expectation in 5 th grade.
12	Multiplying and Dividing Whole Numbers	5.NBT.6	Unit 7 Lesson 17: Interpret Remainders	The formal algorithm for division is not an expectation in 5 th grade.
13	Multiplying and Dividing Whole Numbers	5.NBT.5 5.NBT.6	Alignment Lesson: Solve Real World Problems	
14	Multiplying and Dividing Whole Numbers	5.NBT.5 5.NBT.6	Alignment Lesson: Same Problem, Different Context	
15	Assessment (Recommended Standards to Assess: 5.NBT.5, 5.NBT.6)			
Decimal Place Value				

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16	Decimal Place Value	5.NBT.3	Alignment Lesson: Decimal Place Value with Base Ten Blocks and Grids	
17	Decimal Place Value	5.NBT.3	Alignment Lesson: Decimal Place Value with Grids and Place Value Charts	
18	Decimal Place Value	5.NBT.3	Unit 3 Lesson 2: Equate and Compare	Comparing Decimals
19	Decimal Place Value	5.NBT.3	Alignment Lesson: Decimals- Expanded Form	Comparing Decimals
20	Decimal Place Value	5.NBT.3	Alignment Lesson: Comparing Decimals to Solve Real-World Situations	Comparing Decimals
21	Assessment (Recommended Standards to Assess: 5.NBT.3)			
Powers and Multiples of 10				
22	Powers and Multiples of 10	5.NBT.1 5.NBT.2	Alignment Lesson: What's the Size of My Number?	
23	Powers and Multiples of 10	5.NBT.1 5.NBT.2	Alignment Lesson: The Power of Ten (Day 1 of 2)	
24	Powers and Multiples of 10	5.NBT.1 5.NBT.2	Alignment Lesson: The Power of Ten (Day 2 of 2)	
25	Powers and Multiples of 10	5.NBT.1 5.NBT.2	Alignment Lesson: Playing With Place Value	
Rounding Decimals				
26	Rounding Decimals	5.NBT.4	Alignment Lesson: Round Decimals using Number Lines	
27	Rounding Decimals	5.NBT.4	Alignment Lesson: Number Line Rounding	
28	Rounding Decimals	5.NBT.4	Alignment Lesson: Use Benchmarks to Round Decimals	
29	Rounding Decimals	5.NBT.4	Alignment Lesson: Rounding Decimals Round Up	
30	Assessment (Recommended Standards to Assess: 5.NBT.1, 5.NBT.2, 5.NBT.4)			
Adding and Subtracting Decimals				
31	Adding and Subtracting Decimals	5.NBT.7	Alignment Lesson: Adding Decimals Using Models	

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32	Adding and Subtracting Decimals	5.NBT.7	Alignment Lesson: Subtracting Decimals Using Models	
33	Adding and Subtracting Decimals	5.NBT.7	Alignment Lesson: Add Decimals Using Number Lines	
34	Adding and Subtracting Decimals	5.NBT.7	Alignment Lesson: Subtract Decimals Using Number Lines	
35	Adding and Subtracting Decimals	5.NBT.7	Alignment Lesson: Connect to Vertical Algorithm	
36	Adding and Subtracting Decimals	5.NBT.7	Alignment Lesson: Adding and Subtracting Decimals	
37	Adding and Subtracting Decimals	5.NBT.7	Alignment Lesson: Adding and Subtracting Decimals in a Real-World Context	
38	Adding and Subtracting Decimals	5.NBT.7	Alignment Lesson: The Grocery Excursion (Day 1 of 3)	
39	Adding and Subtracting Decimals	5.NBT.7	Alignment Lesson: The Grocery Excursion (Day 2 of 3)	
40	Adding and Subtracting Decimals	5.NBT.7	Alignment Lesson: The Grocery Excursion (Day 3 of 3)	
41	Assessment (Recommended Standards to Assess: 5.NBT.7)			
2D Figure Attributes				
42	2D Figure Attributes	5.G.3	Alignment Lesson: Polygons	
43	2D Figure Attributes	5.G.3	Alignment Lesson: Compare & Contrast Polygons	
44	2D Figure Attributes	5.G.3 5.G.4	Alignment Lesson: Guess My Rule	
45	Quarterly Benchmark Assessment			
End of First Quarter				
46	2D Figure Attributes	5.G.3 5.G.4	Alignment Lesson: Constructing Polygons	
47	2D Figure Attributes	5.G.3 5.G.4	Alignment Lesson: Properties of Quadrilaterals	

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48	2D Figure Attributes	5.G.3 5.G.4	Alignment Lesson: Understanding Hierarchy Diagrams	
49	2D Figure Attributes	5.G.3 5.G.4	Alignment Lesson: Create a Hierarchy Diagram (Day 1 of 2)	
50	2D Figure Attributes	5.G.3 5.G.4	Alignment Lesson: Create a Hierarchy Diagram (Day 2 of 2)	
The Coordinate System				
51	The Coordinate System	5.G.1	Alignment Lesson: Introducing Coordinate Grids	
52	The Coordinate System	5.G.1	Alignment Lesson: Coordinate Graphs	
53	The Coordinate System	5.G.1 5.G.2	Alignment Lesson: Coordinate Grids and 2-D Figures	
54	The Coordinate System	5.G.1 5.G.2	Alignment Lesson: Interpret Points in a Coordinate Grid	
55	The Coordinate System	5.G.1 5.G.2	Alignment Lesson: Interpret & Graph Coordinate Values	
56	The Coordinate System	5.G.1 5.G.2	Alignment Lesson: Coordinate Grid Centers	
57	Assessment (Recommended Standards to Assess: 5.G.1, 5.G.2, 5.G.3, 5.G.4)			
Multiplying Decimals				
58	Multiplying Decimals	5.NBT.7	Alignment Lesson: Decimal Multipliers	The focus should be on conceptual understanding not on formal algorithms.
59	Multiplying Decimals	5.NBT.7	Alignment Lesson: Multiplying Decimals Using Models	The focus should be on conceptual understanding not on formal algorithms.
60	Multiplying Decimals	5.NBT.7	Alignment Lesson: Multiplying Decimals Using Number Lines	The focus should be on conceptual understanding not on formal algorithms.
61	Multiplying Decimals	5.NBT.7	Alignment Lesson: Multiplying Decimals Tic-Tac-Toe	The focus should be on conceptual understanding not on formal algorithms.

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62	Multiplying Decimals	5.NBT.7	Alignment Lesson: Practice Multiplying Decimals Using Models	The focus should be on conceptual understanding not on formal algorithms.
63	Multiplying Decimals	5.NBT.7	Alignment Lesson: Multiplying Decimals by Decimals	The focus should be on conceptual understanding not on formal algorithms.
64	Multiplying Decimals	5.NBT.7	Alignment Lesson: Real World Applications- Multiplying Decimals	The focus should be on conceptual understanding not on formal algorithms.
65	Multiplying Decimals	5.NBT.7	Alignment Lesson: Multiplying Decimals Stations	The focus should be on conceptual understanding not on formal algorithms.
66	Assessment (<i>Recommended Standards to Assess: 5.NBT.7</i>)			
Dividing Decimals				
67	Dividing Decimals	5.NBT.7	Alignment Lesson: Whole Number by Decimal Division	The focus should be on conceptual understanding not on formal algorithms.
68	Dividing Decimals	5.NBT.7	Alignment Lesson: Dividing by Decimals	The focus should be on conceptual understanding not on formal algorithms.
69	Dividing Decimals	5.NBT.7	Alignment Lesson: Dividing Decimals by Decimals	The focus should be on conceptual understanding not on formal algorithms.
70	Dividing Decimals	5.NBT.7	Alignment Lesson: More Dividing Decimals by Decimals	The focus should be on conceptual understanding not on formal algorithms.
71	Dividing Decimals	5.NBT.7	Alignment Lesson: Dividing Decimals by Whole Numbers	The focus should be on conceptual understanding not on formal algorithms.
72	Dividing Decimals	5.NBT.7	Alignment Lesson: More Dividing Decimals by Whole Numbers	The focus should be on conceptual understanding not on formal algorithms.
73	Dividing Decimals	5.NBT.7	Alignment Lesson: Division Review	The focus should be on conceptual understanding not on formal algorithms.

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74	Dividing Decimals	5.NBT.7	Alignment Lesson: Multiplying or Dividing Decimals in a Real-World Context	The focus should be on conceptual understanding not on formal algorithms.
75	Dividing Decimals	5.NBT.7	Alignment Lesson: Problem Solving with Decimals	The focus should be on conceptual understanding not on formal algorithms.
76	Assessment (Recommended Standards to Assess: 5.NBT.7)			
Expressions				
77	Expressions	5.OA.1	Unit 8 Lesson 2: Order of Operations	
78	Expressions	5.OA.1	Alignment Lesson: Bracing for Brackets	
79	Expressions	5.OA.1 5.OA.2	Alignment Lesson: Evaluating Expressions	
80	Expressions	5.OA.2	Alignment Lesson: Simple Expression Exploration	
81	Expressions	5.OA.2	Alignment Lesson: Compare Expressions	
82	Expressions	5.OA.2	Alignment Lesson: Writing Simple Expressions	
83	Assessment (Recommended Standards to Assess: 5.OA.1, 5.OA.2)			
Numerical Patterns				
84	Numerical Patterns	5.OA.3	Alignment Lesson: Generate Numerical Patterns	
85-86	Numerical Patterns	5.OA.3	Alignment Lesson: Solving Problems with Patterns	
87	Numerical Patterns	5.OA.3	Alignment Lesson: Related Sequences	
88	Numerical Patterns	5.OA.3	Alignment Lesson: More Related Sequences	
89	Numerical Patterns	5.OA.3	Alignment Lesson: Jamie’s Jewelry Joint	
90	Quarterly Benchmark Assessment			
End of Second Quarter				
91	Numerical Patterns	5.OA.3	Alignment Lesson: Planning a Spring Carnival (Day 1 of 2)	
92	Numerical Patterns	5.OA.3	Alignment Lesson: Planning a Spring Carnival (Day 2 of 2)	
93	Numerical Patterns	5.OA.3	Alignment Lesson: Around the Room Practices	
94	Assessment (Recommended Standards to Assess: 5.OA.3)			

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Adding and Subtracting Fractions				
95	Adding and Subtracting Fractions	5.NF.3	Alignment Lesson: Interpreting Fractions	The focus should be on Common Denominators and conceptual understanding.
96	Adding and Subtracting Fractions	5.NF.3	Alignment Lesson: Picnic Sharing	The focus should be on Common Denominators and conceptual understanding.
97	Adding and Subtracting Fractions	5.NF.3	Alignment Lesson: Number Line Partitioning	The focus should be on Common Denominators and conceptual understanding.
98	Adding and Subtracting Fractions	5.NF.2	Alignment Lesson: Estimate & Round Fractions and Mixed Numbers	The focus should be on Common Denominators and conceptual understanding.
99	Adding and Subtracting Fractions	5.NF.1	Alignment Lesson: Adding & Subtracting Fractions Using Grids	The focus should be on Common Denominators and conceptual understanding.
100	Adding and Subtracting Fractions	5.NF.1	Alignment Lesson: Adding & Subtracting Fractions with Area Models	The focus should be on Common Denominators and conceptual understanding.
101	Adding and Subtracting Fractions	5.NF.1	Alignment Lesson: More Practice with Area Model	The focus should be on Common Denominators and conceptual understanding.
102	Adding and Subtracting Fractions	5.NF.1	Alignment Lesson: Adding and Subtracting Mixed Numbers with Models	The focus should be on Common Denominators and conceptual understanding.
103	Adding and Subtracting Fractions	5.NF.1	Alignment Lesson: Formalize Common Denominator	The focus should be on Common Denominators and conceptual understanding.
104	Adding and Subtracting Fractions	5.NF.1 5.NF.2	Alignment Lesson: Ungroup & Regroup Fractions	The focus should be on Common Denominators and conceptual understanding.
105	Adding and Subtracting Fractions	5.NF.1 5.NF.2	Alignment Lesson: Connect Model & Equation	The focus should be on Common Denominators and conceptual understanding.

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106	Adding and Subtracting Fractions	5.NF.2	Alignment Lesson: Estimate with Fractions & Mixed Numbers Round Up	The focus should be on Common Denominators and conceptual understanding.
107	Assessment (<i>Recommended Standards to Assess: 5.NF.1, 5.NF.2, 5.NF.3</i>)			
Multiplying Fractions				
108	Multiplying Fractions	5.NF.5	Alignment Lesson: Magnitude of Products (Day 1 of 2)	The focus should be on conceptual understanding not on formal algorithms.
109	Multiplying Fractions	5.NF.5	Alignment Lesson: Magnitude of Products (Day 2 of 2)	The focus should be on conceptual understanding not on formal algorithms.
110	Multiplying Fractions	5.NF.4	Alignment Lesson: Multiplying with Fractions & Whole Numbers	The focus should be on conceptual understanding not on formal algorithms.
111	Multiplying Fractions	5.NF.4	Alignment Lesson: Multiply a Fraction by a Fraction	The focus should be on conceptual understanding not on formal algorithms.
112	Multiplying Fractions	5.NF.4 5.NF.6	Alignment Lesson: Party with Fractions	The focus should be on conceptual understanding not on formal algorithms.
113	Multiplying Fractions	5.NF.4	Alignment Lesson: Fractional Architecture	The focus should be on conceptual understanding not on formal algorithms.
114	Assessment (<i>Recommended Standards to Assess: 5.NF.4, 5.NF.5</i>)			
115	Multiplying Fractions	5.NF.4 5.NF.6	Alignment Lesson: Multiplying Mixed Numbers	The focus should be on conceptual understanding not on formal algorithms.
116	Multiplying Fractions	5.NF.4 5.NF.6	Alignment Lesson: The Great Amazing Mixed Number Race	The focus should be on conceptual understanding not on formal algorithms.
117	Multiplying Fractions	5.NF.4 5.NF.6	Alignment Lesson: Mixed Number Madness	The focus should be on conceptual understanding not on formal algorithms.

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118	Multiplying Fractions	5.NF.4	Alignment Lesson: Area with Fractional Sides	The focus should be on conceptual understanding not on formal algorithms.
119	Multiplying Fractions	5.NF.4	Alignment Lesson: Multiplying Numbers and Mixed Numbers	The focus should be on conceptual understanding not on formal algorithms.
120	Multiplying Fractions	5.NF.4 5.NF.6	Alignment Lesson: Mixed Multiplication Review (Day 1 of 2)	The focus should be on conceptual understanding not on formal algorithms.
121	Multiplying Fractions	5.NF.4 5.NF.6	Alignment Lesson: Mixed Multiplication Review (Day 2 of 2)	The focus should be on conceptual understanding not on formal algorithms.
122	Assessment (<i>Recommended Standards to Assess: 5.NF.4, 5.NF.6</i>)			
Dividing Fractions				
123	Dividing Fractions	5.NF.7	Alignment Lesson: Divide Whole Number by Unit Fraction	The focus should be on conceptual understanding not on formal algorithms.
124	Dividing Fractions	5.NF.7	New Alignment Lesson: Dividing & Remembering Fractions	The focus should be on conceptual understanding not on formal algorithms.
125	Dividing Fractions	5.NF.7	Alignment Lesson: Create the Context	The focus should be on conceptual understanding not on formal algorithms.
126	Dividing Fractions	5.NF.7	Alignment Lesson: Divide Unit Fraction by Whole Number	The focus should be on conceptual understanding not on formal algorithms.
127	Dividing Fractions	5.NF.7	Alignment Lesson: Divide Tic-Tac-Toe; What Do You Know?	The focus should be on conceptual understanding not on formal algorithms.
128	Dividing Fractions	5.NF.7	Alignment Lesson: Create the Context...Again!	The focus should be on conceptual understanding not on formal algorithms.
129	Dividing Fractions	5.NF.7	Alignment Lesson: Division Connect Four	The focus should be on conceptual understanding not on formal algorithms.

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130	Assessment (Recommended Standards to Assess: 5.NF.7)			
Fractions with Mixed Operations				
131	Fractions with Mixed Operations	5.NF.6 5.NF.7	Alignment Lesson: Multiplication or Division?	The focus should be on conceptual understanding not on formal algorithms.
132	Fractions with Mixed Operations	5.NF.2 5.NF.4 5.NF.6 5.NF.7	Alignment Lesson: Mixed Up Fraction Mania	The focus should be on conceptual understanding not on formal algorithms.
133	Fractions with Mixed Operations	5.NF.2 5.NF.4 5.NF.6 5.NF.7	Alignment Lesson: You Be the Judge	The focus should be on conceptual understanding not on formal algorithms.
134	Fractions with Mixed Operations	5.NF.2 5.NF.4 5.NF.6 5.NF.7	Alignment Lesson: Story Problem Creations (Day 1 of 2)	The focus should be on conceptual understanding not on formal algorithms.
135	Fractions with Mixed Operations	5.NF.2 5.NF.4 5.NF.6 5.NF.7	Alignment Lesson: Story Problem Creations (Day 2 of 2)	The focus should be on conceptual understanding not on formal algorithms.
End of Third Quarter				
136	Fractions with Mixed Operations	5.NF.2 5.NF.4 5.NF.6 5.NF.7	Alignment Lesson: Mosaic Tile Artwork (Day 1 of 2)	The focus should be on conceptual understanding not on formal algorithms.
137	Fractions with Mixed Operations	5.NF.2 5.NF.4 5.NF.6 5.NF.7	Alignment Lesson: Mosaic Tile Artwork (Day 2 of 2)	The focus should be on conceptual understanding not on formal algorithms.
138	Assessment (Recommended Standards to Assess: 5.NF.2, 5.NF.4, 5.NF.6, 5.NF.7)			
139	Quarterly Benchmark Assessment			

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Volume				
140	Volume	5.MD.3	Alignment Lesson: Exploring the Concept of Volume (Day 1 of 2)	
141	Volume	5.MD.3 5.MD.4	Alignment Lesson: Exploring the Concept of Volume (Day 2 of 2)	
142	Volume	5.MD.3 5.MD.4	Alignment Lesson: Popcorn Prisms Anyone?	
143	Volume	5.MD.3 5.MD.4	Alignment Lesson: Finding Volume	
144	Volume	5.MD.3 5.MD.4 5.MD.5b	Alignment Lesson: Designing a Greenhouse (Day 1 of 2)	
145	Volume	5.MD.3 5.MD.4 5.MD.5b	Alignment Lesson: Designing a Greenhouse (Day 2 of 2)	
146	Volume	5.MD.5ab	Alignment Lesson: Explore Layers to Find Volume	
147	Volume	5.MD.5ab	Alignment Lesson: Visualize Volume	
148	Volume	5.MD.5ab	Alignment Lesson: Missing Measurements	
149	Volume	5.MD.5	Alignment Lesson: Decomposing Figures	
150	Volume	5.MD.5	Alignment Lesson: Prism Practice	
151	Assessment (Recommended Standards to Assess: 5.MD.3, 5.MD.4, 5.MD.5)			
152	Volume	5.MD.4 5.MD.5	Alignment Lesson: The Pushy Prism (Day 1 of 4)	
153	Volume	5.MD.4 5.MD.5	Alignment Lesson: The Pushy Prism (Day 2 of 4)	
154	Volume	5.MD.4 5.MD.5	Alignment Lesson: The Pushy Prism (Day 3 of 4)	
155	Volume	5.MD.4 5.MD.5	Alignment Lesson: The Pushy Prism (Day 4 of 4)	
Measurement & Data				

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156	Measurement and Data	5.MD.1	Alignment Lesson: Measurement Scavenger Hunt	
157	Measurement and Data	5.MD.1	Alignment Lesson: Converting Between Units of Length	
158	Measurement and Data	5.MD.1	Alignment Lesson: School Carnival Challenge	
159	Measurement and Data	5.MD.1	Alignment Lesson: Capacity Conversion	
160	Measurement and Data	5.MD.1	Alignment Lesson: A Weighty Lesson	
161	Measurement and Data	5.MD.1	Alignment Lesson: Measurement BINGO	
162	Assessment (<i>Recommended Standards to Assess: 5.MD.1</i>)			
163	Measurement and Data	5.MD.2	Alignment Lesson: Line Plot Palooza	
164	Measurement and Data	5.MD.2	Alignment Lesson: Crabby Line Plot	
165	Assessment (<i>Recommended Standards to Assess: 5.MD.2</i>)			
166-174	EOG Review & Testing			
175-180	Post-EOG Unit			
End of Fourth Quarter				