

Northpoint Horizons

Math Elevations™ (Comprehensive Intervention System)
Correlated to
Houghton Mifflin Math

This document provides a sampling of the extensive math directives offered throughout the *Math Elevations* program that match those in *Houghton Mifflin Math*.

<i>Houghton Mifflin Math Teacher's Edition (Grade 3) Lesson Examples</i>	<i>Math Elevations Teacher's Guide Level C (Grade 3) Lesson Examples</i>	<i>Math Elevations Teacher's Guide Level D (Grade 4) Extension Lesson Examples</i>
Chapter 1 – Lesson 4: <i>Place Value Through One Thousands</i> p. 13	Unit 1 – Lesson 1: <i>Four-Digit Numbers</i> pp. 18-19	Unit 1 – Lesson 1: <i>Large Numbers</i> pp. 18-19
Chapter 1 – Lesson 6: <i>Place Value Through Ten Thousands</i> pp. 18-19	Unit 1 – Lesson 8: <i>Reading and Writing Numbers Through 999,999</i> pp. 32-33	Unit 1 – Lesson 1: <i>Large Numbers</i> pp. 18-19
Chapter 1 – Lesson 7: <i>Place Value Through Hundred Thousands</i> pp. 20-22	Unit 1 – Lesson 8: <i>Reading and Writing Numbers Through 999,999</i> pp. 32-33	Unit 1 – Lesson 1: <i>Large Numbers</i> pp. 18-19
Chapter 2 – Lesson 1: <i>Compare Numbers</i> pp. 28-29	Unit 1 – Lesson 2: <i>Comparing and Ordering Numbers</i> pp. 20-21	Unit 1 – Lesson 2: <i>Comparing Numbers</i> pp. 20-21 Unit 4 – Lesson 1: <i>Comparing and Ordering Fractions</i> pp. 72-73
Chapter 2 – Lesson 2: <i>Order Numbers</i> pp. 30-31	Unit 1 – Lesson 2: <i>Comparing and Ordering Numbers</i> pp. 20-21	Unit 4 – Lesson 1: <i>Comparing and Ordering Fractions</i> pp. 72-73
Chapter 2 – Lesson 3: <i>Round Two-Digit and Three-Digit Numbers</i> pp. 32-34	Unit 1 – Lesson 3: <i>Rounding</i> pp. 22-23	Unit 1 – Lesson 3: <i>Rounding</i> pp. 22-23
Chapter 3 – Lesson 1: <i>Value of Money</i> pp. 46-47	Unit 4 – Lesson 3: <i>Dollars, Dimes, and Pennies</i> pp. 76-77	
Chapter 3 – Lesson 2: <i>Count Coins and Bills</i> pp. 48-49	Unit 4 – Lesson 4: <i>Nickels and Quarters</i> pp. 78-79 Unit 4 – Lesson 5: <i>Bills and Coins</i> pp. 80-81 Unit 4 – Lesson 7: <i>Addition and Subtraction of Money</i> pp. 84-85	Unit 2 – Lesson 3: <i>Making Change</i> pp. 40-41
Chapter 3 – Lesson 3: <i>Make Change</i> pp. 50-51	Unit 4 – Lesson 6: <i>Making Change</i> pp. 82-83 Unit 4 – Lesson 7: <i>Addition and Subtraction of Money</i> pp. 84-85	Unit 2 – Lesson 3: <i>Making Change</i> pp. 40-41

Houghton Mifflin Math Teacher's Edition (Grade 3) Lesson Examples	Math Elevations Teacher's Guide Level C (Grade 3) Lesson Examples	Math Elevations Teacher's Guide Level D (Grade 4) Extension Lesson Examples
Chapter 3 – Lesson 5: <i>Round Money</i> pp. 56-57	Unit 4 – Lesson 8: <i>Money Word Problems</i> pp. 86-87	
Chapter 4 – Lesson 1: <i>Addition Properties</i> pp. 76-77	Unit 2 – Lesson 1: <i>Addition and Subtraction Families</i> pp. 36-37	
Chapter 4 – Lesson 2: <i>Estimate Sums</i> pp. 78-80	Unit 2 – Lesson 3: <i>Using Estimation in Addition</i> pp. 40-41	Unit 2 – Lesson 1: <i>Mental Addition and Subtraction</i> pp. 36-37
Chapter 4 – Lesson 3: <i>Regroup Ones</i> pp. 82-84	Unit 2 – Lesson 2: <i>Adding Two-Digit Numbers</i> pp. 38-39 Unit 2 – Lesson 8: <i>Addition and Subtraction Word Problems</i> pp. 50-51	Unit 2 – Lesson 2: <i>Column Addition (I)</i> pp. 38-39 Unit 2 – Lesson 5: <i>Word Problems (Three- and Four-Digit Numbers)</i> pp. 44-45 Unit 2 – Lesson 8: <i>Word Problems (Five-Digit Numbers)</i> pp. 50-51
Chapter 4 – Lesson 4: <i>Regroup Ones and Tens</i> pp. 86-88	Unit 2 – Lesson 5: <i>Regrouping Two-Digit Numbers for Subtraction</i> pp. 44-45	Unit 2 – Lesson 4: <i>Column Subtraction (I)</i> pp. 42-43
Chapter 4 – Lesson 7: <i>Add Greater Numbers</i> pp. 98-99	Unit 2 – Lesson 4: <i>Adding Three- and Four-Digit Numbers</i> pp. 42-43	Unit 2 – Lesson 6: <i>Column Addition (II)</i> pp. 46-47
Chapter 5 – Lesson 2: <i>Relate Addition and Subtraction</i> pp. 110-111	Unit 5 – Lesson 1: <i>Missing Addends and Subtrahends</i> pp. 90-91	Unit 5 – Lesson 2: <i>Solving Open Sentences (Addition and Subtraction)</i> pp. 92-93
Chapter 5 – Lesson 3: <i>Estimate Differences</i> pp. 112-114	Unit 2 – Lesson 8: <i>Addition and Subtraction Word Problems</i> pp. 50-51	Unit 2 – Lesson 4: <i>Column Subtraction (I)</i> pp. 42-43
Chapter 5 – Lesson 6: <i>Subtract Greater Numbers</i> pp. 124-126	Unit 2 – Lesson 6: <i>Subtraction of Three- and Four-Digit Numbers</i> pp. 46-47	Unit 2 – Lesson 7: <i>Column Subtraction (II)</i> pp. 48-49
Chapter 5 – Lesson 7: <i>Subtract Across Zeros</i> pp. 128-129	Unit 2 – Lesson 7: <i>Subtraction with Zeros</i> pp. 48-49	
Chapter 6 – Lesson 1: <i>Collect and Organize Data</i> pp. 148-149	Unit 8 – Lesson 1: <i>Tally Charts</i> pp. 144-145	Unit 8 – Lesson 1: <i>Data Handling</i> pp. 144-145
Chapter 6 – Lesson 4: <i>Make a Table</i> pp. 158-159	Unit 8 – Lesson 2: <i>Reading Charts and Tables</i> pp. 146-147	Unit 8 – Lesson 1: <i>Data Handling</i> pp. 144-145 Unit 8 – Lesson 3: <i>Pictographs</i> pp. 148-149 Unit 8 – Lesson 4: <i>Bar Graphs</i> pp. 150-151 Unit 8 – Lesson 5: <i>Line Graphs</i> pp. 152-153 Unit 8 – Lesson 8: <i>Probability</i> pp. 158-159
Chapter 6 – Lesson 5: <i>Make a Pictograph</i> pp. 162-163	Unit 8 – Lesson 3: <i>Pictographs</i> pp. 148-149	Unit 8 – Lesson 3: <i>Pictographs</i> pp. 148-149

Houghton Mifflin Math Teacher's Edition (Grade 3) Lesson Examples	Math Elevations Teacher's Guide Level C (Grade 3) Lesson Examples	Math Elevations Teacher's Guide Level D (Grade 4) Extension Lesson Examples
Chapter 6 – Lesson 6: <i>Make a Bar Graph</i> pp. 164-165	Unit 8 – Lesson 4: <i>Simple Bar Graphs</i> pp. 150-151 Unit 8 – Lesson 5: <i>Bar Graphs with a Scale</i> pp. 152-153	Unit 8 – Lesson 4: <i>Bar Graphs</i> pp. 150-151
Chapter 7 – Lesson 1: <i>Understand Probability</i> pp. 176-177	Unit 8 – Lesson 6: <i>Likelihood</i> pp. 154-155	Unit 8 – Lesson 8: <i>Probability</i> pp. 158-159
Chapter 7 – Lesson 2: <i>Identify Outcomes</i> pp. 178-180	Unit 8 – Lesson 6: <i>Likelihood</i> pp. 154-155	Unit 8 – Lesson 7: <i>Predicting Possible Outcomes</i> pp. 156-157
Chapter 7 – Lesson 3: <i>Outcomes and Probability</i> pp. 182-183	Unit 8 – Lesson 7: <i>Probability</i> pp. 156-157	Unit 8 – Lesson 8: <i>Probability</i> pp. 158-159
Chapter 7 – Lesson 4: <i>Use Probability</i> pp. 184-185	Unit 8 – Lesson 8: <i>Fair and Unfair Games</i> pp. 158-159	Unit 8 – Lesson 8: <i>Probability</i> pp. 158-159
Chapter 8 – Lesson 1: <i>Model Multiplication as Repeated Addition</i> pp. 206-207	Unit 3 – Lesson 1: <i>Meaning of Multiplication</i> pp. 54-55	Unit 3 – Lesson 1: <i>Mental Multiplication</i> pp. 54-55 Unit 3 – Lesson 2: <i>Patterns of Calculations</i> pp. 56-57
Chapter 8 – Lesson 3: <i>Multiply with 2</i> pp. 210-211	Unit 3 – Lesson 2: <i>Multiplication Facts of 2, 5, and 10</i> pp. 56-57 Unit 5 – Lesson 3: <i>Skip Counting</i> pp. 94-95	Unit 3 – Lesson 3: <i>Multiplication by One-Digit Numbers</i> pp. 58-59
Chapter 8 – Lesson 4: <i>Multiply with 4</i> pp. 212-213	Unit 3 – Lesson 4: <i>Multiplication Facts of 4 and 8</i> pp. 60-61	Unit 3 – Lesson 3: <i>Multiplication by One-Digit Numbers</i> pp. 58-59
Chapter 8 – Lesson 5: <i>Multiply with 5</i> pp. 216-217	Unit 3 – Lesson 2: <i>Multiplication Facts of 2, 5, and 10</i> pp. 56-57	Unit 3 – Lesson 3: <i>Multiplication by One-Digit Numbers</i> pp. 58-59
Chapter 8 – Lesson 6: <i>Multiply with 10</i> pp. 218-219	Unit 3 – Lesson 2: <i>Multiplication Facts of 2, 5, and 10</i> pp. 56-57	Unit 3 – Lesson 3: <i>Multiplication by One-Digit Numbers</i> pp. 58-59
Chapter 9 – Lesson 2: <i>Multiply with 3</i> pp. 234-235	Unit 3 – Lesson 3: <i>Multiplication Facts of 3 and 6</i> pp. 58-59	Unit 3 – Lesson 3: <i>Multiplication by One-Digit Numbers</i> pp. 58-59
Chapter 9 – Lesson 3: <i>Multiply with 6</i> pp. 236-237	Unit 3 – Lesson 3: <i>Multiplication Facts of 3 and 6</i> pp. 58-59	Unit 3 – Lesson 3: <i>Multiplication by One-Digit Numbers</i> pp. 58-59
Chapter 9 – Lesson 4: <i>Multiply with 7</i> pp. 240-241	Unit 3 – Lesson 5: <i>Multiplication Facts of 7 and 9</i> pp. 62-63	Unit 3 – Lesson 3: <i>Multiplication by One-Digit Numbers</i> pp. 58-59
Chapter 9 – Lesson 5: <i>Multiply with 8</i> pp. 242-244	Unit 3 – Lesson 4: <i>Multiplication Facts of 4 and 8</i> pp. 60-61	Unit 3 – Lesson 3: <i>Multiplication by One-Digit Numbers</i> pp. 58-59

Houghton Mifflin Math Teacher's Edition (Grade 3) Lesson Examples	Math Elevations Teacher's Guide Level C (Grade 3) Lesson Examples	Math Elevations Teacher's Guide Level D (Grade 4) Extension Lesson Examples
Chapter 9 – Lesson 6: <i>Multiply with 9</i> pp. 246-247	Unit 3 – Lesson 5: <i>Multiplication Facts of 7 and 9</i> pp. 62-63	Unit 3 – Lesson 3: <i>Multiplication by One-Digit Numbers</i> pp. 58-59
Chapter 9 – Lesson 7: <i>Patterns on a Multiplication Table</i> pp. 250-251	Unit 5 – Lesson 4: <i>Number Patterns</i> pp. 96-97 Unit 5 – Lesson 7: <i>Pattern Puzzles</i> pp. 102-103	Unit 3 – Lesson 2: <i>Patterns of Calculations</i> pp. 56-57
Chapter 9 – Lesson 9: <i>Multistep Problems</i> p. 254	Unit 3 – Lesson 8: <i>Multiplication and Division Word Problems</i> pp. 68-69 Unit 5 – Lesson 8: <i>Word Problem Patterns</i> pp. 104-105	Unit 3 – Lesson 4: <i>Multiplication by Two-Digit Numbers</i> pp. 60-61 Unit 3 – Lesson 5: <i>Division with Remainders</i> pp. 62-63 Unit 3 – Lesson 6: <i>Long Division (Two-Digit ÷ One-Digit Numbers)</i> pp. 64-65 Unit 3 – Lesson 7: <i>Long Division (Three-Digit ÷ One-Digit Numbers)</i> pp. 66-67 Unit 3 – Lesson 8: <i>Word Problems</i> pp. 68-69
Chapter 10 – Lesson 1: <i>The Meaning of Division</i> pp. 260-261	Unit 3 – Lesson 6: <i>Division as Equal Grouping and Sharing Equally</i> pp. 64-65	Unit 3 – Lesson 5: <i>Division with Remainders</i> pp. 62-63
Chapter 10 – Lesson 2: <i>Model Division as Repeated Subtraction</i> pp. 262-263	Unit 3 – Lesson 7: <i>Dividing Using Inverse Operations</i> pp. 66-67	Unit 3 – Lesson 5: <i>Division with Remainders</i> pp. 62-63
Chapter 10 – Lesson 3: <i>Relate Multiplication and Division</i> pp. 264-265	Unit 3 – Lesson 7: <i>Dividing Using Inverse Operations</i> pp. 66-67 Unit 5 – Lesson 2: <i>Missing Factors</i> pp. 92-93	Unit 3 – Lesson 6: <i>Long Division (Two-Digit ÷ One-Digit Numbers)</i> pp. 64-65 Unit 3 – Lesson 7: <i>Long Division (Three-Digit ÷ One-Digit Numbers)</i> pp. 66-67 Unit 3 – Lesson 8: <i>Word Problems</i> pp. 68-69 Unit 5 – Lesson 3: <i>Solving Open Sentences (Multiplication and Division)</i> pp. 94-95
Chapter 12 – Lesson 1: <i>Hour, Half-Hour, Quarter-Hour</i> pp. 330-331	Unit 7 – Lesson 1: <i>Time</i> pp. 126-127	
Chapter 12 – Lesson 2: <i>Time to Five Minutes</i> pp. 332-333	Unit 7 – Lesson 1: <i>Time</i> pp. 126-127	
Chapter 12 – Lesson 3: <i>Time to the Minute</i> pp. 334-335	Unit 7 – Lesson 1: <i>Time</i> pp. 126-127	
Chapter 12 – Lesson 4: <i>Elapsed Time</i> pp. 336-338	Unit 7 – Lesson 1: <i>Time</i> pp. 126-127	
Chapter 13 – Lesson 1: <i>Measure to the Nearest Inch</i> pp. 354-357	Unit 7 – Lesson 2: <i>Length (Customary Units)</i> pp. 128-129	Unit 6 – Lesson 8: <i>Appropriate Units</i> pp. 122-123

Houghton Mifflin Math Teacher's Edition (Grade 3) Lesson Examples	Math Elevations Teacher's Guide Level C (Grade 3) Lesson Examples	Math Elevations Teacher's Guide Level D (Grade 4) Extension Lesson Examples
	Unit 7 – Lesson 8: <i>Appropriate Units</i> pp. 140-141	
Chapter 13 – Lesson 2: <i>Measure to the Nearest Half Inch</i> pp. 358-359	Unit 7 – Lesson 2: <i>Length (Customary Units)</i> pp. 128-129 Unit 7 – Lesson 8: <i>Appropriate Units</i> pp. 140-141	Unit 6 – Lesson 8: <i>Appropriate Units</i> pp. 122-123
Chapter 13 – Lesson 3: <i>Customary Units of Length</i> pp. 360-362	Unit 7 – Lesson 2: <i>Length (Customary Units)</i> pp. 128-129 Unit 7 – Lesson 8: <i>Appropriate Units</i> pp. 140-141	Unit 6 – Lesson 8: <i>Appropriate Units</i> pp. 122-123
Chapter 13 – Lesson 6: <i>Customary Units of Capacity</i> pp. 370-371	Unit 7 – Lesson 7: <i>Capacity</i> pp. 138-139	Unit 6 – Lesson 5: <i>Measuring Capacity</i> pp. 116-117 Unit 6 – Lesson 6: <i>Capacity Conversions</i> pp. 118-119
Chapter 13 – Lesson 7: <i>Customary Units of Weight</i> pp. 372-373	Unit 7 – Lesson 6: <i>Weight</i> pp. 136-137	Unit 6 – Lesson 7: <i>Weight</i> pp. 120-121
Chapter 14 – Lesson 1: <i>Centimeter and Decimeter</i> pp. 382-383	Unit 7 – Lesson 3: <i>Length (Metric)</i> pp. 130-131	Unit 6 – Lesson 4: <i>Metric Measurement</i> pp. 114-115
Chapter 14 – Lesson 2: <i>Meter and Kilometer</i> pp. 384-385	Unit 7 – Lesson 3: <i>Length (Metric)</i> pp. 130-131	Unit 6 – Lesson 4: <i>Metric Measurement</i> pp. 114-115
Chapter 14 – Lesson 3: <i>Metric Units of Capacity</i> pp. 386-387	Unit 7 – Lesson 7: <i>Capacity</i> pp. 138-139	
Chapter 15 – Lesson 1: <i>Lines, Line Segments, Rays and Angles</i> pp. 414-415	Unit 6 – Lesson 1: <i>Lines and Angles</i> pp. 108-109 Unit 6 – Lesson 2: <i>Types of Lines</i> pp. 110-111	Unit 7 – Lesson 1: <i>Types of Angles</i> pp. 126-127 Unit 7 – Lesson 2: <i>Parallel and Perpendicular Lines</i> pp. 128-129
Chapter 15 – Lesson 3: <i>Classify Triangles</i> pp. 422-423	Unit 6 – Lesson 3: <i>Plane Figures</i> pp. 112-113	Unit 7 – Lesson 3: <i>Classifying Polygons</i> pp. 130-131
Chapter 15 – Lesson 4: <i>Classify Quadrilaterals</i> pp. 424-426	Unit 6 – Lesson 3: <i>Plane Figures</i> pp. 112-113	Unit 7 – Lesson 3: <i>Classifying Polygons</i> pp. 130-131
Chapter 15 – Lesson 6: <i>Solid Figures</i> pp. 432-433	Unit 6 – Lesson 6: <i>Solid Figures</i> pp. 118-119 Unit 6 – Lesson 7: <i>Solid Figures and Their Nets</i> pp. 120-121	Unit 7 – Lesson 7: <i>Solid Figures</i> pp. 138-139
Chapter 15 – Lesson 7: <i>Explore Solid Figures</i> pp.	Unit 6 – Lesson 6: <i>Solid Figures</i> pp. 118-119	Unit 7 – Lesson 7: <i>Solid Figures</i> pp. 138-139

Houghton Mifflin Math Teacher's Edition (Grade 3) Lesson Examples	Math Elevations Teacher's Guide Level C (Grade 3) Lesson Examples	Math Elevations Teacher's Guide Level D (Grade 4) Extension Lesson Examples
434-436	Unit 6 – Lesson 7: <i>Solid Figures and Their Nets</i> pp. 120-121	
Chapter 16 – Lesson 1: <i>Congruent Figures</i> pp. 442-443	Unit 6 – Lesson 4: <i>Congruent Figures</i> pp. 114-115	Unit 7 – Lesson 5: <i>Flips and Slides</i> pp. 134-135
Chapter 16 – Lesson 3: <i>Lines of Symmetry</i> pp. 448-449	Unit 6 – Lesson 5: <i>Lines of Symmetry</i> pp. 116-117	Unit 7 – Lesson 4: <i>Symmetry</i> pp. 132-133
Chapter 17 – Lesson 1: <i>Explore Perimeter</i> pp. 462-463	Unit 7 – Lesson 4: <i>Perimeter</i> pp. 132-133	Unit 6 – Lesson 1: <i>Perimeter of Squares and Rectangles</i> pp. 108-109
Chapter 17 – Lesson 2: <i>Find Perimeter</i> pp. 464-466	Unit 7 – Lesson 4: <i>Perimeter</i> pp. 132-133	Unit 6 – Lesson 1: <i>Perimeter of Squares and Rectangles</i> pp. 108-109
Chapter 17 – Lesson 3: <i>Explore Area</i> pp. 468-469	Unit 7 – Lesson 5: <i>Area</i> pp. 134-135	Unit 6 – Lesson 2: <i>Area of Squares and Rectangles</i> pp. 110-111 Unit 6 – Lesson 3: <i>Area and Perimeter of Irregular Polygons</i> pp. 112-113
Chapter 17 – Lesson 4: <i>Find Area</i> pp. 470-472	Unit 7 – Lesson 5: <i>Area</i> pp. 134-135	Unit 6 – Lesson 2: <i>Area of Squares and Rectangles</i> pp. 110-111 Unit 6 – Lesson 3: <i>Area and Perimeter of Irregular Polygons</i> pp. 112-113
Chapter 17 – Lesson 6: <i>Explore Volume</i> pp. 476-477	Unit 6 – Lesson 8: <i>Volume</i> pp. 122-123	Unit 7 – Lesson 8: <i>Volume</i> pp. 140-141
Chapter 17 – Lesson 7: <i>Find Volume</i> pp. 478-480	Unit 6 – Lesson 8: <i>Volume</i> pp. 122-123	Unit 7 – Lesson 8: <i>Volume</i> pp. 140-141
Chapter 18 – Lesson 1: <i>Fractions and Regions</i> pp. 498-499	Unit 1 – Lesson 5: <i>Fractions as Part of a Whole</i> pp. 26-27	Unit 1 – Lesson 4: <i>Fractions as Part of a Whole</i> pp. 24-25
Chapter 18 – Lesson 2: <i>Fractions and Groups</i> pp. 500-501	Unit 1 – Lesson 6: <i>Fractions as Part of a Set</i> pp. 28-29	Unit 1 – Lesson 5: <i>Fractions of a Set</i> pp. 26-27
Chapter 18 – Lesson 5: <i>Model Equivalent Fractions</i> pp. 508-509	Unit 1 – Lesson 7: <i>Comparing Fractions</i> pp. 30-31	Unit 4 – Lesson 2: <i>Equivalent Fractions</i> pp. 74-75
Chapter 19 – Lesson 1: <i>Compare Fractions</i> pp. 520-521	Unit 1 – Lesson 7: <i>Comparing Fractions</i> pp. 30-31	Unit 4 – Lesson 1: <i>Comparing and Ordering Fractions</i> pp. 72-73
Chapter 19 – Lesson 2: <i>Order Fractions</i> pp. 522-523	Unit 1 – Lesson 7: <i>Comparing Fractions</i> pp. 30-31	Unit 4 – Lesson 1: <i>Comparing and Ordering Fractions</i> pp. 72-73
Chapter 20 – Lesson 1: <i>Tenths</i> pp. 540-541	Unit 4 – Lesson 1: <i>Tenths</i> pp. 72-73	Unit 1 – Lesson 6: <i>Fractions as Decimals</i> pp.

<i>Houghton Mifflin Math Teacher's Edition (Grade 3) Lesson Examples</i>	<i>Math Elevations Teacher's Guide Level C (Grade 3) Lesson Examples</i>	<i>Math Elevations Teacher's Guide Level D (Grade 4) Extension Lesson Examples</i>
		28-29
Chapter 20 – Lesson 2: <i>Hundredths</i> pp. 542-543	Unit 4 – Lesson 2: <i>Hundredths</i> pp. 74-75	Unit 1 – Lesson 6: <i>Fractions as Decimals</i> pp. 28-29