

**Houghton Mifflin Harcourt**  
**Math Expressions, Grade 5 © 2013**  
 correlated to

**The New York Common Core Learning Standards for Mathematics**

<b>Chapter/Lesson</b>	<b>Name</b>	<b>From page</b>	<b>To page</b>	<b>Grade 5 Standards</b>
Unit 1.1	Introduce MathBoard	1	6	5.NF.2, SMP.1, SMP.2, SMP.3, SMP.4, SMP.5, SMP.6, SMP.7
Unit 1.2	Explain Equivalent Fractions	7	16	5.NF.1, SMP.2, SMP.3, SMP.5, SMP.6, SMP.7
Unit 1.3	Equivalent Fractions and Multipliers	17	24	5.NF.1, SMP.2, SMP.3, SMP.4, SMP.5, SMP.6, SMP.7, SMP.8
Unit 1.4	Strategies for Comparing Fractions	25	34	5.NF.1, SMP.2, SMP.3, SMP.5, SMP.6, SMP.7, SMP.8
Unit 1.5	Fractions Greater Than One	35	42	5.NF.1, SMP.5
Unit 1.6	Add and Subtract Like Mixed Numbers	43	50	5.NF.2, SMP.4
Unit 1.7	Add Unlike Fractions	51	60	5.NF.1, 5.NF.2, SMP.1
Unit 1.8	Subtract Unlike Fractions	61	66	5.NF.1, 5.NF.2, SMP.1
Unit 1.9	Solve with Unlike Mixed Numbers	67	74	5.NF.1, 5.NF.2, SMP.1
Unit 1.10	Practice with Unlike Mixed Numbers	75	80	5.NF.1, 5.NF.2, SMP.6
Unit 1.11	Reasonable Answers	81	86	5.NF.2
Unit 1.12	Real World Problems	87	92	5.NF.1, 5.NF.2, SMP.1, SMP.6
Unit 1.13	Focus on Mathematical Practices	93	98	5.NF.2, SMP.4, SMP.5, SMP.6
Unit 2.1	Decimals as Equal Divisions	103	110	5.NBT.3a
Unit 2.2	Thousands to Thousandths	111	120	5.NBT.1, 5.NBT.3a, SMP.6
Unit 2.3	Equate and Compare Thousandths	121	132	5.NBT.1, 5.NBT.3a, 5.NBT.3b
Unit 2.4	Adding and Subtracting Decimals	133	140	5.NBT.7, SMP.1, SMP.4, SMP.5
Unit 2.5	Add Whole Numbers and Decimals	141	146	5.NBT.7
Unit 2.6	Subtract Whole and Decimal Numbers	147	154	5.NBT.7, SMP.1, SMP.6
Unit 2.7	Properties and Strategies	155	160	5.NBT.7, SMP.6
Unit 2.8	Round and Estimate with Decimals	161	170	5.NBT.4, SMP.1
Unit 2.9	Graph with Decimal Numbers	171	176	5.NBT.3b, 5.NBT.4, SMP.1
Unit 2.10	Focus on Mathematical Practices	177	182	5.NBT.7, SMP.1, SMP.6
Unit 3.1	Basic Multiplication Concepts	187	194	5.NF.4a, 5.NF.5b, 5.NF.6, SMP.1, SMP.4
Unit 3.2	Multiplication with Non-Unit Fractions	195	200	5.NF.4a, 5.NF.6, SMP.1, SMP.4, SMP.6
Unit 3.3	Multiplication with Fractional Solutions	201	208	5.NF.4a, 5.NF.6, SMP.1, SMP.5
Unit 3.4	Multiply a Fraction by a Fraction	209	218	5.NF.4a, 5.NF.4b, 5.NF.6, SMP.1, SMP.4, SMP.6
Unit 3.5	Multiplication Strategies	219	226	5.NF.4a, 5.NF.6, SMP.1, SMP.6
Unit 3.6	Multiply Mixed Numbers	227	234	5.NF.4b, 5.NF.5a, 5.NF.5b, 5.NF.6
Unit 3.7	Relate Fraction Operations	235	242	5.NF.2, 5.NF.4a, 5.NF.5a, 5.NF.5b, 5.NF.6
Unit 3.8	Solve Real World Problems	243	248	5.NF.2, 5.NF.5a, 5.NF.6

**Houghton Mifflin Harcourt**  
**Math Expressions, Grade 5 © 2013**  
 correlated to

**The New York Common Core Learning Standards for Mathematics**

<b>Chapter/Lesson</b>	<b>Name</b>	<b>From page</b>	<b>To page</b>	<b>Grade 5 Standards</b>
Unit 3.9	Make Generalizations	249	254	5.NF.5a, 5.NF.5b, 5.NF.6
Unit 3.10	When Dividing is Also Multiplying	255	262	5.NF.3, 5.NF.4a, 5.NF.7a, 5.NF.7b, 5.NF.7c, SMP.4
Unit 3.11	Solve Division Problems	263	268	5.NF.3, 5.NF.7a, 5.NF.7b, 5.NF.7c, SMP.4, SMP.6
Unit 3.12	Distinguish Multiplication from Division	269	276	5.NF.5a, 5.NF.5b, 5.NF.6, 5.NF.7a, 5.NF.7b, 5.NF.7c
Unit 3.13	Review Operations with Fractions	277	282	5.MD.2, 5.NF.1, 5.NF.2, 5.NF.6, 5.NF.7a, 5.NF.7b, 5.NF.7c
Unit 3.14	Focus on Mathematical Practices	283	288	5.NF.6, 5.NF.7c, SMP.3, SMP.4
Unit 4.1	Shift Patterns in Multiplication	293	304	5.NBT.1, 5.NBT.2, 5.NBT.7, SMP.4
Unit 4.2	Patterns with Fives and Zeros	305	310	5.NBT.2, SMP.3
Unit 4.3	Sharing Method for Multiplication	311	316	5.NBT.1, 5.NBT.5, SMP.6
Unit 4.4	Multiply Two-Digit Numbers	317	324	5.NBT.5, SMP.3, SMP.6
Unit 4.5	Practice Multiplication	325	328	5.NBT.5, SMP.6
Unit 4.6	Multiply Decimals by Whole Numbers	329	336	5.NBT.2, 5.NBT.7
Unit 4.7	Multiply by Decimals	337	346	5.NBT.1, 5.NBT.2, 5.NBT.7, SMP.3
Unit 4.8	Multiply with Decimals Greater Than 1	347	352	5.NBT.7, SMP.3
Unit 4.9	Compare Shift Patterns	353	360	5.NBT.1, 5.NBT.2, 5.NBT.7, SMP.3, SMP.6
Unit 4.10	Estimate Products	361	368	5.NBT.4, 5.NBT.7, SMP.3
Unit 4.11	Multiplication Practice	369	374	5.NBT.7
Unit 4.12	Focus on Mathematical Practices	375	380	5.NF.5, 5.NF.5a, 5.NF.5b, 5.NBT.3, 5.NBT.3b, 5.NBT.5, 5.NBT.7, SMP.3, SMP.5, SMP.7
Unit 5.1	Divide Whole Numbers by One Digit	385	396	5.NBT.6, SMP.3, SMP.7, SMP.8
Unit 5.2	Explore Dividing by Two-Digit Whole Numbers	397	402	5.NBT.6
Unit 5.3	Too Large, Too Small, or Just Right?	403	408	5.NBT.6, SMP.8
Unit 5.4	Interpret Remainders	409	416	5.NBT.6, SMP.3
Unit 5.5	Division Practice	417	422	5.NBT.6
Unit 5.6	Divide Decimal Numbers by Whole Numbers	423	430	5.NBT.2, 5.NBT.7, SMP.5, SMP.7, SMP.8
Unit 5.7	Divide Whole Numbers by Decimal Numbers	431	440	5.NBT.2, 5.NBT.7, SMP.3, SMP.8
Unit 5.8	Divide with Two Decimal Numbers	441	448	5.NBT.2, 5.NBT.7, SMP.3, SMP.7
Unit 5.9	Division Practice	449	454	5.NBT.7, SMP.2, SMP.7

**Houghton Mifflin Harcourt**  
**Math Expressions, Grade 5 © 2013**  
 correlated to

**The New York Common Core Learning Standards for Mathematics**

<b>Chapter/Lesson</b>	<b>Name</b>	<b>From page</b>	<b>To page</b>	<b>Grade 5 Standards</b>
Unit 5.10	Distinguish Between Multiplication and Division	455	462	5.NBT.3b, 5.NBT.7, SMP.2, SMP.3, SMP.8
Unit 5.11	Focus on Mathematical Practices	463	468	5.NBT.7, SMP.2, SMP.3, SMP.5, SMP.7, SMP.8
Unit 6.1	Situation and Solution Equations for Addition and Subtraction	473	480	5.NF.2, SMP.2, SMP.3
Unit 6.2	Situation and Solution Equations for Multiplication and Division	481	488	5.NF.7c, SMP.2, SMP.3, SMP.7
Unit 6.3	Write Word Problems	489	494	5.NF.4a, 5.NF.7a, 5.NF.7b, SMP.2, SMP.3, SMP.4, SMP.5
Unit 6.4	Determine Reasonable Answers	495	502	5.NBT.4, 5.NF.2, SMP.3, SMP.7
Unit 6.5	Language of Comparison Problems	503	510	5.NBT.5, SMP.1, SMP.2, SMP.3, SMP.4, SMP.6
Unit 6.6	Multiplicative Comparison Problems	511	518	5.NF.5a, 5.NF.5b, 5.NF.6, SMP.2, SMP.7
Unit 6.7	Types of Comparison Problems	519	526	5.NF.2, SMP.7
Unit 6.8	Equations and Parentheses	527	534	5.NF.2, 5.NF.6, 5.OA.1
Unit 6.9	Multistep Word Problems	535	540	5.NF.6
Unit 6.10	Practice Problem Solving	541	546	5.NF.6
Unit 6.11	Focus on Mathematical Practices	547	552	5.NBT.7, 5.NF.3, SMP.1, SMP.2, SMP.3, SMP.4, SMP.5, SMP.6, SMP.7, SMP.8
Unit 7.1	Read and Write Expressions	557	562	5.OA.1, 5.OA.2, SMP.2
Unit 7.2	Simplify Expressions	563	568	5.OA.1, SMP.7
Unit 7.3	Evaluate Expressions	569	574	5.OA.1, 5.OA.2, SMP.4, SMP.8
Unit 7.4	Patterns and Relationships	575	582	5.OA.3, SMP.2, SMP.7, SMP.8
Unit 7.5	The Coordinate Plane	583	592	5.G.1, SMP.5, SMP.7, SMP.8
Unit 7.6	Graph Ordered Pairs	593	598	5.G.1, 5.G.2, SMP.2, SMP.4, SMP.5
Unit 7.7	Focus on Mathematical Practices	599	604	5.G.1, SMP.5, SMP.7, SMP.8
Unit 8.1	Convert Metric Units of Length	609	616	5.MD.1, SMP.2, SMP.7
Unit 8.2	Metric Units of Liquid Volumes	617	622	5.MD.1, SMP.7, SMP.8
Unit 8.3	Metric Units of Mass	623	628	5.MD.1, SMP.8
Unit 8.4	Customary Units of Length	629	634	5.MD.1, SMP.2
Unit 8.5	Customary Measures of Liquid Volume	635	640	5.MD.1, SMP.2, SMP.7
Unit 8.6	Customary Units of Weight	641	646	5.MD.1, SMP.2, SMP.7
Unit 8.7	Read and Make Plot Lines	647	652	5.MD.2, SMP.4, SMP.5, SMP.8
Unit 8.8	Perimeter and Area of Rectangles	653	662	5.NF.4b, SMP.2, SMP.8
Unit 8.9	Cubic Units and Volume	663	670	5.MD.3a, 5.MD.3b, 5.MD.4, SMP.4, SMP.5, SMP.7

**Houghton Mifflin Harcourt**  
**Math Expressions, Grade 5 © 2013**  
correlated to

**The New York Common Core Learning Standards for Mathematics**

<b>Chapter/Lesson</b>	<b>Name</b>	<b>From page</b>	<b>To page</b>	<b>Grade 5 Standards</b>
Unit 8.10	Visualize Volume	671	676	5.MD.3a, 5.MD.3b, SMP.2
Unit 8.11	Introduce Volume Formulas	677	682	5.MD.5a, 5.MD.5b, SMP.5
Unit 8.12	Relate Length, Area, and Volume	683	688	5.MD.5b
Unit 8.13	Volume of Composite Solid Figures	689	694	5.MD.5b, 5.MD.5c, SMP.8
Unit 8.14	Attributes of Quadrilaterals	695	704	5.G.3, 5.G.4, SMP.7
Unit 8.15	Attributes of Triangles	705	712	5.G.3, 5.G.4, SMP.4
Unit 8.16	Attributes of Two-Dimensional Shapes	713	720	5.G.3, 5.G.4, SMP.5
Unit 8.17	Focus on Mathematical Practices	721	726	5.MD.5b, SMP.2, SMP.5, SMP.8