

**New York City Department of Education
Core Curriculum Alignment Guidance
2012-13 School Year
Everyday Mathematics – Grade 5**

Background

This guidance document outlines how each of the textbook’s lessons align to the Common Core grade-level content standards and the Standards for Mathematical Practices (SMP) and whether the standards covered in each lesson are within major, supporting, or additional clusters, based on the [Math Content Emphases](#).¹ It also provides guidance around how schools may choose to spend instructional time to support a focus on the major work of the grade, which the [State has indicated](#) will be the focus of next year’s 3-8 State tests.

How to Use

To support schools with reorganizing math content to allow for more time to focus on the major work of the grade, as outlined in the [Citywide Instructional Expectations](#), this document includes recommendations around the amount of instructional time that educators might consider dedicating to each lesson within *Everyday Mathematics*. These recommendations are based on the standards alignment information from *Everyday Mathematics* and a close examination of the textbook by the Common Core Fellows. For example, where the textbook represents a strong alignment to major work, we recommend that educators spend more instructional time on those lessons. Where the lesson contains standards that represent major work but does not cover them strongly, we recommend that educators consider augmenting the lesson to cover the standards listed more fully. The key below indicates how to read the document.

Symbols	Content Emphases	Recommendation
Green with some bolded content standards, indicating a stronger alignment to the bolded standards (e.g. NBT)	Some standards addressed within the lesson represent ‘major work of the grade’ based on the Content Emphases	Consider spending more time on this lesson
Green with no bolded content standards	Some standards addressed within the lesson represent ‘major work of the grade’ based on the Content Emphases but are not strongly addressed	Consider augmenting or upgrading here so that the standards are covered more fully
Blue	Some standards addressed within the lesson are within ‘supporting’ clusters based on the Content Emphases	Consider implementing as is
Yellow	Standards addressed within the lesson are within ‘additional’ clusters based on the Content Emphases	Consider spending less time on lessons only covering additional concepts
Red	No content standards are addressed, only Mathematical Practices	Consider omitting lessons only covering Mathematical Practices

¹ For a listing of content emphases by cluster, refer to <http://engageny.org/resource/math-content-emphases>. For additional guidance—including key advances by grade, opportunities for in-depth focus, connections between content and practice standards, etc.—refer to http://www.parcconline.org/sites/parcc/files/PARCC%20MCF%20for%20Mathematics_Fall%202011%20Release.pdf.

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Lesson	Lesson Title	Pages	CCSS	Online Content for CCSS Alignment	Cluster Emphases
Chapter 1					
1-1	Introduction to the Student Reference Book	16–20	SMP3, SMP5, _____ 5.OA.2, 5.NBT.2		Major: Consider augmenting or upgrading here so that the standards are covered more fully
1-2	Rectangular Arrays	21–26	SMP2, SMP3, SMP4, SMP6, SMP7, SMP8, _____ 5.NBT.2	Teacher’s Lesson Guide - Lesson 1-2	Major: Consider augmenting or upgrading here so that the standards are covered more fully
1-3	Factors	27–31	SMP1, SMP2, SMP4, SMP5, SMP6, _____ 5.OA.2	Teacher’s Lesson Guide - Lesson 1-3 Math Masters, page 11	Additional: Consider spending less time on this lesson
1-4	The Factor Captor Game	32–36	SMP1, SMP3, SMP6, _____ 5.OA.2, 5.NF.5a	Teacher’s Lesson Guide Lesson 1-4	Major: Consider augmenting or upgrading here so that the standards are covered more fully
1-5	Divisibility	37–41	SMP1, SMP3, SMP5, SMP6, SMP8, _____ 5.NBT.2	Teacher’s Lesson Guide -Lesson 1-5 Math Masters, page 11	Major: Consider augmenting or upgrading here so that the standards are covered more fully

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Lesson	Lesson Title	Pages	CCSS	Online Content for CCSS Alignment	Cluster Emphases
1-6	Prime and Composite Numbers	42–46	SMP1, SMP2, SMP3, SMP6, SMP8, 5.NBT.2		Major: Consider augmenting or upgrading here so that the standards are covered more fully
1-7	Square Numbers	47–51	SMP2, SMP3, SMP5, SMP6, SMP7, SMP8, 5.OA.2		Additional: Consider spending less time on this lesson
1-8	Unsquaring Numbers	52–56	SMP1, SMP2, SMP3, SMP5, SMP6, 5.OA.2, 5.NBT.2	Teacher’s Lesson Guide - Lesson 1-8 Math Masters, page 493	Major: Consider augmenting or upgrading here so that the standards are covered more fully
1-9	Factor Strings and Prime Factorizations	57–61	SMP1, SMP2, SMP3, SMP4, 5.OA.1, 5.NBT.2		Major: Consider augmenting or upgrading here so that the standards are covered more fully
1-10	Progress Check 1	62–65		Teacher’s Lesson Guide - Progress Check 1 Assessment Handbook, pages 154, 247, and 249	
Chapter 2					

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Lesson	Lesson Title	Pages	CCSS	Online Content for CCSS Alignment	Cluster Emphases
2-1	Estimation Challenge	80–84	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, SMP8, _____ 5.NBT.2, 5.MD.1		Major: Consider spending more time on this lesson
2-2	Addition of Whole Number And Decimals	85–90	SMP1, SMP2, SMP3, SMP6, SMP7, _____ 5.NBT.1, 5.NBT.3a, 5.NBT.3b, 5.NBT.7	Teacher’s Lesson Guide - Lesson 2-2	Major: Consider augmenting or upgrading here so that the standards are covered more fully
2-3	Subtraction of Whole Numbers And Decimals	91–96	SMP1, SMP3, SMP5, SMP6, SMP8, 5.NBT.1, 5.NBT.3a, 5.NBT.4, 5.NBT.7	Teacher’s Lesson Guide Lesson 2-3	Major: Consider augmenting or upgrading here so that the standards are covered more fully
2-4	Addition and Subtraction Number Stories	97–102	SMP1, SMP2, SMP3, SMP4, SMP6, SMP8, _____ 5.OA.1, 5.OA.2, 5.NBT.3a, 5.NBT.7		Major: Consider augmenting or upgrading here so that the standards are covered more fully

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Lesson	Lesson Title	Pages	CCSS	Online Content for CCSS Alignment	Cluster Emphases
2-5	Estimate Your Reaction Time	103–108	SMP1, SMP2, SMP5, SMP6, SMP8, 5.NBT.3a, 5.NBT.3b, 5.NBT.4, 5.NBT.7, 5.MD.2	Math Masters, page 511	Major: Consider spending more time on this lesson
2-6	Chance Events	109–114	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6		Math Practices only: Consider omitting
2-7	Estimating Products	115–119	SMP1, SMP3, SMP5, SMP6, 5.NBT.2, 5.NBT.4, 5.NBT.7	Teacher’s Lesson Guide - Lesson 2-7 Math Masters, page 66A	Major: Consider augmenting or upgrading here so that the standards are covered more fully
2-8	2-8 Multiplication of Whole Numbers and Decimals	120–125	SMP2, SMP3, SMP5, SMP6, SMP8, 5.NBT.2, 5.NBT.3a, 5.NBT.4, 5.NBT.7	Teacher’s Lesson Guide - Lesson 2-8	Major: Consider spending more time on this lesson
2-9	The Lattice Method of Multiplication	126–131	SMP1, SMP5, SMP6, SMP8, 5.NBT.2, 5.NBT.7	Teacher’s Lesson Guide - Lesson 2-9	Major: Consider augmenting or upgrading here so that the standards are covered more fully

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Lesson	Lesson Title	Pages	CCSS	Online Content for CCSS Alignment	Cluster Emphases
2-10	Comparing Millions, Billions, and Trillions	132–137	SMP1, SMP3, SMP4, SMP5, SMP6, <hr/> 5.NBT.1, 5.MD.1	Teacher’s Lesson Guide - Lesson 2-10 Math Masters, page 66B	Major: Consider augmenting or upgrading here so that the standards are covered more fully
2-11	Progress Check 2	138–141		Assessment Handbook, pages 160–162 and 217	
Chapter 3					
3-1	Introduction to the American Tour	154–159	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, <hr/> 5.NBT.3b	Teacher’s Lesson Guide Lesson 3-1 [5.NBT.3b]; Math Masters, page 511	Major: Consider augmenting or upgrading here so that the standards are covered more fully
3-2	American Tour: Population Data	160–164	SMP2, SMP4, SMP5, SMP6, SMP8, <hr/> 5.OA.2, 5.NBT.2	Teacher’s Lesson Guide Lesson 3-2	Major: Consider augmenting or upgrading here so that the standards are covered more fully
3-3	Exploring Angle Measures	165–169	SMP1, SMP2, SMP3, SMP6		Math Practices only: Consider omitting
3-4	Using a Protractor	170–176	SMP2, SMP3, SMP5, SMP6, <hr/> 5.G.3		Additional: Consider spending less time on this lesson

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Lesson	Lesson Title	Pages	CCSS	Online Content for CCSS Alignment	Cluster Emphases
3-5	Using a Compass	177–182	SMP2, SMP3, SMP5, SMP6, SMP7, SMP8, _____ 5.NBT.2, 5.NBT.3b	Teacher’s Lesson Guide - Lesson 3-5 Math Masters, page 511	Major: Consider augmenting or upgrading here so that the standards are covered more fully
3-6	Congruent Triangles	183–188	SMP2, SMP3, SMP5, SMP6, SMP7, SMP8, _____ 5.NBT.4		Major: Consider augmenting or upgrading here so that the standards are covered more fully
3-7	Properties of Polygons	189–193	SMP2, SMP3, SMP6, SMP7, SMP8, _____ 5.G.3, 5.G.4	Teacher’s Lesson Guide Lesson 3-7 [5.G.3 and 5.G.4]; Math Masters, pages 87A and 87B	Additional: Consider spending less time on this lesson
3-8	Regular Tessellations	194–198	SMP2, SMP3, SMP5, SMP6, SMP8, _____ 5.NBT.2, 5.NF.5a, 5.G.3, 5.G.4	Teacher’s Lesson Guide Lesson 3-8 [5.NF.5a, 5.G.3, and 5.G.4]; Math Masters, page 87A	Major: Consider augmenting or upgrading here so that the standards are covered more fully
3-9	Angles of Polygons	199–205	SMP2, SMP3, SMP5, SMP6, SMP7, SMP8, _____ 5.NBT.2, 5.NBT.3a	Teacher’s Lesson Guide Lesson 3-9 [5.NBT.2 and 5.NBT.3a]	Major: Consider augmenting or upgrading here so that the standards are covered more fully

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Lesson	Lesson Title	Pages	CCSS	Online Content for CCSS Alignment	Cluster Emphases
3-10	Solving Problems Using the Geometry Template	206–210	SMP1, SMP2, SMP5		Math Practices only: Consider omitting
3-11	Progress Check 3	211–215			Not Aligned
Chapter 4					
4-1	Division Facts and Extensions	230–235	SMP1, SMP2, SMP5, SMP6, SMP8, <hr/> 5.OA.1, 5.OA.2, 5.NBT.2, 5.NBT.6 , 5.NF.5a, 5.G.3, 5.G.4	Teacher’s Lesson Guide Lesson 4-1 [5.OA.2, 5.NF.5a, 5.G.3, and 5.G.4]; Math Masters, page 440A	Major: Consider spending more time on this lesson
4-2	The Partial- Quotients Division Algorithm	236–241	SMP1, SMP2, SMP3, SMP5, SMP6 <hr/> 5.NBT.6		Major: Consider augmenting or upgrading here so that the standards are covered more fully
4-3	American Tour: Finding Distance on a Map	242–247	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, <hr/> 5.OA.1		Additional: Consider spending less time on this lesson
4-4	Partial- Quotients Algorithm Strategies	248–253	SMP1, SMP2, SMP3, SMP6 <hr/> NBT.6		Major: Consider spending more time on this lesson

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4-5	Division of Decimal Numbers	254–258	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, <u>5.NBT.7</u>		Major: Consider spending more time on this lesson
4-6	Interpreting the Remainder	259–264	SMP1, SMP2, SMP4, SMP5, SMP6 <u>5.OA.2, 5.NBT.6, 5.NBT.7</u>		Major: Consider spending more time on this lesson
4-7	Skills Review with First to 100	265–271	SMP2, SMP5, SMP8 <u>5.OA.2, 5.NBT.2</u>	Teacher’s Lesson Guide - Lesson 4-7 [5.NBT.2]	Major: Consider spending more time on this lesson
4-8	Progress Check 4	272–275			
Chapter 5					
5-1	Fraction Review	290–295	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, <u>5.NF.3</u>	Teacher’s Lesson Guide - Lesson 5-1 [5.NF.3]	Major: Consider augmenting or upgrading here so that the standards are covered more fully
5-2	Mixed Numbers	296–301	SMP1, SMP2, SMP3, SMP5, SMP6		Math Practices only: Consider omitting
5-3	Comparing and Ordering Fractions	302–307	SMP2, SMP3, SMP5, SMP6, <u>5.NF.1, 5.NF.2</u>	Teacher’s Lesson Guide Lesson 5-3 [5.NF.2]	Major: Consider augmenting or upgrading here so that the standards are covered more fully

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Lesson	Lesson Title	Pages	CCSS	Online Content for CCSS Alignment	Cluster Emphases
5-4	Two Rules for Finding Equivalent Fractions	308–313	SMP1, SMP2, SMP6, SMP8		Math Practices only: Consider omitting
5-5	Fractions and Decimals: Part 1	314–318	SMP1, SMP2, SMP5, SMP6, <hr/> 5.NBT.3a, 5.NBT.4		Major: Consider spending more time on this lesson
5-6	Fractions and Decimals: Part 2	319–324	SMP1, SMP2, SMP3, SMP5, SMP6, SMP7, <hr/> 5.NBT.3a, 5.NBT.4, 5.NF.3	Teacher’s Lesson Guide Lesson 5-6 [5.NBT.3a and 5.NF.3]	Major: Consider spending more time on this lesson
5-7	Fractions and Decimals: Part 3	325–330	SMP1, SMP2, SMP5, SMP6, <hr/> 5.NBT.3a		Major: Consider augmenting or upgrading here so that the standards are covered more fully
5-8	Using a Calculator to Convert Fractions to Percents	331–336	SMP1, SMP2, SMP3, SMP5, SMP6, <hr/> 5.NBT.3a, 5.NBT.4		Major: Consider augmenting or upgrading here so that the standards are covered more fully
5-9	Bar and Circle Graphs	337–342	SMP2, SMP4, SMP6, <hr/> 5.NBT.3a		Major: Consider augmenting or upgrading here so that the standards are covered more fully

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5-10	The Percent Circle: Reading Circle Graphs	343–348	SMP1, SMP2, SMP5, SMP6		Math Practices only: Consider omitting
5-11	The Percent Circle: Making Circle Graphs	349–354	SMP2, SMP3, SMP5, SMP6, 5.NBT.7	Teacher’s Lesson Guide Lesson 5-11 [5.NBT.7]	Major: Consider augmenting or upgrading here so that the standards are covered more fully
5-12	American Tour: School Days	355–359	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, SMP8, 5.OA.1		Additional: Consider spending less time on this lesson
5-13	Progress Check 5	360–363		Math Masters, pages 153 and 156	
Chapter 6					
6-1	Organizing Data	378–383	SMP2, SMP3, SMP4, SMP5, SMP6, SMP7, 6.NBT.4, 5.MD.2	Teacher’s Lesson Guide - Lesson 6-1 [5.MD.2]; Math Masters, pages 186A and 186B	Major: Consider augmenting or upgrading here so that the standards are covered more fully
6-2	Natural Measures of Length	384–388	SMP1, SMP2, SMP5, SMP6, 6.NBT.3a, 5.MD.1		Major: Consider augmenting or upgrading here so that the standards are covered more fully

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6-3	Stem-and- Leaf Plots for Hand and Finger Measures	389–394	SMP2, SMP4, SMP5, SMP6, 5.NBT.3a		Major: Consider augmenting or upgrading here so that the standards are covered more fully
6-4	Mystery Plots	395–399	SMP2, SMP3, SMP6, 5.NBT.4	Teacher’s Lesson Guide - Lesson 6-4 [5.NBT.4]	Major: Consider augmenting or upgrading here so that the standards are covered more fully
6-5	Sample Size and Sound Conclusions	400–404	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, 5.NBT.7		Major: Consider augmenting or upgrading here so that the standards are covered more fully
6-6	Analysis of Sample Data	405–410	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6		Math Practices only: Consider omitting
6-7	American Tour: Climate	411–416	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, 5.NBT.7	Teacher’s Lesson Guide	Major: Consider augmenting or upgrading here so that the standards are covered more fully

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6-8	Using a Slide Rule to Add and Subtract Fractions	417–422	SMP1, SMP2, SMP3, SMP5, SMP6, <hr/> 5.NF.1, 5.NF.2, 5.NF.3	Teacher’s Lesson Guide Lesson 6-8 [5.NF.1, 5.NF.2, and 5.NF.3]; Math Masters, pages 174–176 and 493	Major: Consider spending more time on this lesson
6-9	Clock Fractions and Common Denominators	423–428	SMP1, SMP2, SMP3, SMP5, SMP6, SMP7, SMP8, <hr/> 5.NF.1, 5.NF.2, 5.NF.5b	Teacher’s Lesson Guide Lesson 6-9 [5.NF.2 and 5.NF.5b]	Major: Consider spending more time on this lesson
6-10	Quick Common Denominators	429–433	SMP1, SMP2, SMP5, SMP6, , SMP8, <hr/> 5.NF.1, 5.NF.2		Major: Consider spending more time on this lesson
6-11	Progress Check 6	434–437		Teacher’s Lesson Guide Progress Check 6; Math Masters, pages 183, 184, and 186	
Chapter 7					
7-1	Exponential Notation	542–546	SMP1, SMP2, SMP3, SMP5, SMP6, <hr/> 5.NBT.2		Major: Consider augmenting or upgrading here so that the standards are covered more fully

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Lesson	Lesson Title	Pages	CCSS	Online Content for CCSS Alignment	Cluster Emphases
7-2	Exponential Notation for Powers of 10	547–551	SMP1, SMP2, SMP3, SMP6, SMP7, <hr/> 5.NBT.1, 5.NBT.2	Teacher’s Lesson Guide Lesson 7-2 [5.NBT.2]; Math Masters, page 192	Major: Consider spending more time on this lesson
7-3	Scientific Notation	552–556	SMP2, SMP4, SMP6, SMP7, <hr/> 7.NBT.2	Teacher’s Lesson Guide Lesson 7-3 [5.NBT.2]	Major: Consider spending more time on this lesson
7-4	Parentheses in Number Sentences	557–561	SMP2, SMP3, SMP4, SMP6, SMP8, <hr/> 5.OA.1 , 5.OA.2, 5.NBT.2	<i>Teacher’s Lesson Guide</i> Lesson 7-4 [5.OA.2 and 5.NBT.2]	Major: Consider spending more time on this lesson
7-5	Order of Operations	562–567	SMP2, SMP3, SMP4, SMP6, SMP7, SMP8, <hr/> 5.OA.1, 5.OA.2		Additional: Consider spending less time on this lesson
7-6	American Tour: Line Graphs	568–572	SMP2, SMP3, SMP4, SMP5, SMP6, <hr/> 5.NF.1		Major: Consider augmenting or upgrading here so that the standards are covered more fully

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7-7	Using Negative Numbers	573–577	SMP2, SMP3, SMP4, SMP7, SMP8, 5.OA.1, 5.NBT.2	Math Journal, page 231	Major: Consider augmenting or upgrading here so that the standards are covered more fully
7-8	Addition of Positive and Negative Numbers	578–583	SMP2, SMP3, SMP4, SMP5, SMP6, SMP7, SMP8		Math Practices only: Consider omitting
7-9	Subtraction of Positive and Negative Numbers	584–589	SMP2, SMP6, SMP8, 5.NBT.3b	Teacher’s Lesson Guide Lesson 7-9 [5.NBT.3b]; Math Masters, page 511	Major: Consider augmenting or upgrading here so that the standards are covered more fully
7-10	Using a Slide Rule to Add and Subtract	590–595	SMP1, SMP2, SMP4, SMP5, SMP6, 5.NBT.5, 5.NBT.6, 5.NBT.7, 5.NF.1, 5.NF.2, 5.MD.2	Teacher’s Lesson Guide Lesson 7-10 [5.NBT.5, 5.NBT.6, 5.NBT.7, 5.NF.1, 5.NF.2, and 5.MD.2]; Math Masters, pages 211–213	Major: Consider augmenting or upgrading here so that the standards are covered more fully
7-11	Calculator Practice: Working with Negative Numbers	596–599	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, 5.NF.3	<i>Teacher’s Lesson Guide</i> Lesson 7-11 [5.NF.3]	Major: Consider augmenting or upgrading here so that the standards are covered more fully
7-12	Progress Check 7	600–603		<i>Math Masters</i> , page 220	

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Chapter 8					
8-1	Review: Comparing Fractions	618–623	SMP1, SMP2, SMP5, SMP6, SMP8, 5.NF.1, 5.NF.2, 5.NF.5b	Teacher’s Lesson Guide - Lesson 8-1 [5.NF.2]	Major: Consider augmenting or upgrading here so that the standards are covered more fully
8-2	Adding Mixed Numbers	624–629	SMP1, SMP2, SMP5, SMP6, 5.NF.1 , 5.NF.2	Teacher’s Lesson Guide - Lesson 8-2 [5.NF.2]; Math Masters, page 253A	Major: Consider spending more time on this lesson
8-3	Subtracting Mixed Numbers	630–635	SMP1, SMP2, SMP5, SMP6, 5.NF.1 , 5.NF.2, 5.G.3, 5.G.4	<i>Teacher’s Lesson Guide</i> Lesson 8-3 [5.NF.2, 5.G.3, and 5.G.4]	Major: Consider spending more time on this lesson
8-4	Calculator Practice: Computation with Fractions	636–641	SMP1, SMP2, SMP4, SMP5, SMP6, 5.NF.1, 5.NF.2	Teacher’s Lesson Guide Lesson 8-4 [5.NF.2]	Major: Consider augmenting or upgrading here so that the standards are covered more fully
8-5	Fractions of Fractions	642–648	SMP1, SMP3, SMP4, SMP5, SMP6, 5.NF.4a , 5.NF.5a, 5.NF.6	Teacher’s Lesson Guide Lesson 8-5 [5.NF.4a, 5.NF.5a, and 5.NF.6]	Major: Consider spending more time on this lesson

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8-6	An Area Model for Fraction Multiplication	649–653	SMP2, SMP3, SMP6, SMP8, 5.NF.4a, 5.NF.5a, 5.NF.5b, 5.NF.6	Teacher’s Lesson Guide Lesson 8-6 [5.NF.4a, 5.NF.5a, 5.NF.5b, and 5.NF.6]; Math Masters, page 234	Major: Consider spending more time on this lesson
8-7	Multiplication of Fractions and Whole Numbers	654–658	SMP2, SMP4, SMP6, SMP7, SMP8 5.OA.1, 5.NF.4a, 5.NF.5b, 5.NF.6		Major: Consider spending more time on this lesson
8-8	Multiplication of Mixed Numbers	659–663	SMP2, SMP3, SMP4, SMP5, SMP6, SMP8, 5.NF.4a, 5.NF.4b, 5.NF.5a, 5.NF.5b, 5.NF.6	Teacher’s Lesson Guide Lesson 8-8 [5.NF.4a, 5.NF.4b, 5.NF.5a, 5.NF.5b, and 5.NF.6]	Major: Consider spending more time on this lesson
8-9	Finding a Percent of a Number	664–668	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6		Math Practices only: Consider omitting
8-10	Relating Fractional Units to the Whole	669–673	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, SMP7, SMP8		Math Practices only: Consider omitting

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Lesson	Lesson Title	Pages	CCSS	Online Content for CCSS Alignment	Cluster Emphases
8-11	8-11 American Tour: Rural and Urban	674–679	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, 5.NF.2		Major: Consider augmenting or upgrading here so that the standards are covered more fully
8-12	8-12 Fraction Division	680–685	SMP1, SMP2, SMP4, SMP6, 5.NF.7a, 5.NF.7b, 5.NF.7c	<i>Teacher's Lesson Guide</i> Lesson 8-12 [5.NF.7a, 5.NF.7b, and 5.NF.7c]; <i>Math Masters</i> , pages 248, 253A, 253B, and 440B	Major: Consider spending more time on this lesson
8-13	Progress Check 8	686–689		Assessment Handbook, pages 190 and 192	
Chapter 9					
9-1	Hidden Treasure: A Coordinate Game	704–709	SMP2, SMP5, SMP6, 5.NBT.2, 5.NF.4a, 5.G.1, 5.G.2	Teacher's Lesson Guide - Lesson 9-1 [5.NBT.2, 5.NF.4a, and 5.G.1]	Major: Consider spending more time on this lesson
9-2	Coordinate Graphs: Part 1	710–715	SMP2, SMP5, SMP6, SMP7, SMP8, 5.NBT.5, 5.G.1, 5.G.2	Math Journal, page 299	Major: Consider spending more time on this lesson

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Lesson	Lesson Title	Pages	CCSS	Online Content for CCSS Alignment	Cluster Emphases
9-3	Coordinate Graphs: Part 2	716–721	SMP2, SMP3, SMP4, SMP5, SMP6, 5.MD.3a, 5.MD.4, 5.MD.5b, 5.G.1, 5.G.2	Teacher’s Lesson Guide Lesson 9-3 [5.MD.3a, 5.MD.4, and 5.MD.5b]	Major: Consider augmenting or upgrading here so that the standards are covered more fully
9-4	Areas of Rectangles	722–728	SMP2, SMP3, SMP5, SMP6, SMP8, 5.NF.4b, 5.NF.7a, 5.NF.7b, 5.NF.7c, 5.MD.3a, 5.MD.4, 5.MD.5b	Teacher’s Lesson Guide Lesson 9-4 [5.NF.4b, 5.NF.7a, 5.NF.7b, 5.NF.7c, 5.MD.3a, 5.MD.4, and 5.MD.5b]; Math Masters, page 293A	Major: Consider augmenting or upgrading here so that the standards are covered more fully
9-5	The Rectangle Method for Finding Area	729–734	SMP2, SMP3, SMP5, SMP6, 5.NBT.2	Math Journal, page 311	Major: Consider augmenting or upgrading here so that the standards are covered more fully
9-6	Formulas for the Area of Triangles and Parallelograms	735–740	SMP2, SMP5, SMP6, SMP7, SMP8, 5.NF.2		Major: Consider augmenting or upgrading here so that the standards are covered more fully

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9-7	Earth's Water Surface	741–746	SMP1, SMP2, SMP5, SMP6, SMP8 5.NF.6	Math Journal, page 320	Major: Consider augmenting or upgrading here so that the standards are covered more fully
9-8	Volume of Rectangular Prisms	747– 752	SMP1, SMP2, SMP3, SMP6, SMP7, SMP8, 5.NBT.4, 5.NBT.7, 5.MD.3a, 5.MD.3b, 5.MD.4, 5.MD.5a, 5.MD.5b	Teacher's Lesson Guide Lesson 9-8 [5.NBT.7, 5.MD.3a, 5.MD.3b, 5.MD.4, 5.MD.5a, and 5.MD.5b]	Major: Consider spending more time on this lesson
9-9	Volume of Right Prisms	753–759	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, SMP8, 5.MD.3a, 5.MD.5b, 5.MD.5c	Teacher's Lesson Guide Lesson 9-9 [5.MD.5b and 5.MD.5c]	Major: Consider augmenting or upgrading here so that the standards are covered more fully
9-10	Capacity: Liter, Millimeter, and Cubic Centimeter	760–765	SMP1, SMP2, SMP4, SMP6, SMP7, 5.NBT.7, 5.NF.4b, 5.MD.1, 5.MD.3a, 5.MD.3b, 5.MD.4, 5.MD.5a, 5.MD.5b	Teacher's Lesson Guide Lesson 9-10 [5.NF.4b, 5.MD.1, 5.MD.3a, 5.MD.3b, 5.MD.4, 5.MD.5a, and 5.MD.5b]	Major: Consider spending more time on this lesson
9-11	Progress Check 9	766–769			

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Chapter 10					
10-1	10-1 Pan-Balance]	784–790	SMP1, SMP2, SMP3, SMP6, <hr/> 5.NBT.2, 5.NBT.5, 5.MD.3a, 5.MD.3b, 5.MD.4, 5.MD.5b	Problems <i>Teacher’s Lesson Guide</i> Lesson 10-1 [5.NBT.2, 5.NBT.5, 5.MD.3a, 5.MD.3b, 5.MD.4, and 5.MD.5b]	Major: Consider augmenting or upgrading here so that the standards are covered more fully
10-2	Pan-Balance Problems with Two Balances	791–796	SMP1, SMP2, SMP3, SMP8, <hr/> 5.NF.5a, 5.MD.2	<i>Teacher’s Lesson Guide</i> Lesson 10-2 [5.NF.5a and 5.MD.2]	Major: Consider augmenting or upgrading here so that the standards are covered more fully
10-3	Algebraic Expressions	797–802	SMP2, SMP3, SMP4, SMP6, SMP7, SMP8, <hr/> 5.OA.1, 5.OA.2, 5.OA.3, 5.NBT.2, 5.NBT.5, 5.MD.5a, 5.MD.5b	<i>Teacher’s Lesson Guide</i> Lesson 10-3 [5.OA.2, 5.OA.3, 5.NBT.2, 5.NBT.5, 5.MD.5a, and 5.MD.5b]; Math Masters, page 300A	Major: Consider augmenting or upgrading here so that the standards are covered more fully
10-4	Rules, Tables, and Graphs: Part 1	803–808	SMP1, SMP2, SMP4, SMP6, SMP7, SMP8, <hr/> 5.OA.3, 5.G.1, 5.G.2	<i>Teacher’s Lesson Guide</i> - Lesson 10-4 [5.OA.3]; Math Masters, page 300B	Additional: Consider spending less time on this lesson

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10-5	American Tour: Old Faithful's Next Eruption	809–813	SMP1, SMP2, SMP3, SMP4, SMP7, SMP8, 5.MD.1		Supporting: Consider implementing as is
10-6	Rules, Tables, and Graphs: Part 2	814–819	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, SMP7, SMP8, 5.OA.3, 5.NBT.7, 5.NF.2, 5.G.1, 5.G.2	<i>Teacher's Lesson Guide</i> Lesson 10-6 [5.OA.3, 5.NBT.7, and 5.NF.2]; <i>Math Masters</i> , pages 307A and 307B	Major: Consider augmenting or upgrading here so that the standards are covered more fully
10-7	Reading Graphs	820–824	SMP2, SMP3, SMP6, 5.NBT.4, 5.G.1		Major: Consider augmenting or upgrading here so that the standards are covered more fully
10-8	10-8 Circumference of a Circle	825–830	SMP1, SMP3, SMP4, SMP5, SMP6, SMP7, 5.NBT.4		Major: Consider augmenting or upgrading here so that the standards are covered more fully

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Lesson	Lesson Title	Pages	CCSS	Online Content for CCSS Alignment	Cluster Emphases
10-9	10-9 Area of Circles	831–836	SMP1, SMP2, SMP4, SMP5, SMP6, SMP7, SMP8, 5.MD.1	Teacher’s Lesson Guide - Lesson 10-9 [5.MD.1]	Supporting: Consider implementing as is
10-10	Progress Check 10		837–841		
Chapter 11					
11-1	Review of Geometric Solids: Part 1	856–860	SMP2, SMP4, SMP8, 5.MD.3a, 5.MD.3b, 5.MD.4, 5.MD.5a, 5.MD.5b	Teacher’s Lesson Guide Lesson 11-1 [5.MD.3a, 5.MD.3b, 5.MD.4, 5.MD.5a, and 5.MD.5b]	Major: Consider augmenting or upgrading here so that the standards are covered more fully
11-2	Review of Geometric Solids: Part 2	861–865	SMP2, SMP3, SMP5, SMP6, SMP8	Math Journal, page 372	Math Practices only: Consider omitting
11-3	Volume of Cylinders	866–871	SMP1, SMP2, SMP4, SMP5, SMP6, SMP8, 5.NBT.4, 5.MD.1, 5.MD.3a, 5.MD.3b, 5.MD.4, 5.MD.5a, 5.MD.5b	Teacher’s Lesson Guide Lesson 11-3 [5.MD.5a and 5.MD.5b]	Major: Consider augmenting or upgrading here so that the standards are covered more fully

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11-4	Volume of Pyramids and Cones	872–877	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, SMP8, 5.NF.7a, 5.NF.7b	<i>Teacher's Lesson Guide</i> Lesson 11-4 [5.NF.7a and 5.NF.7b]	Major: Consider augmenting or upgrading here so that the standards are covered more fully
11-5	Finding Volume by a Displacement Method	878–883	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, 5.MD.1, 5.MD.5c	<i>Teacher's Lesson Guide</i> Lesson 11-5 [5.MD.5c]	Major: Consider spending more time on this lesson:
11-6	11-6 Capacity and Weight	884–889	SMP2, SMP3, SMP4, SMP5, SMP6, SMP8, 5.OA.1, 5.NBT.2, 5.MD.1	Teacher's Lesson Guide Lesson 11-6 [5.NBT.2 and 5.MD.1]; Math Masters, page 347A	Major: Consider spending more time on this lesson
11-7	Surface Area	890–894	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, 5.NF.1, 5.NF.2, 5.NF.4b, 5.NF.7c, 5.MD.2, 5.MD.5a, 5.MD.5b	Teacher's Lesson Guide Lesson 11-7 [5.NF.4b, 5.MD.2, 5.MD.5a, and 5.MD.5b]; Math Masters, page 343	Major: Consider augmenting or upgrading here so that the standards are covered more fully
11-8	Progress Check 11	895–899		<i>Teacher's Lesson Guide</i> Progress Check 11	

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Lesson	Lesson Title	Pages	CCSS	Online Content for CCSS Alignment	Cluster Emphases
Chapter 12					
12-1	Factor Trees	914–919	SMP1, SMP2, SMP3, SMP5, SMP6, SMP7, 5.NF.7a, 5.NF.7b, 5.NF.7c	Teacher’s Lesson Guide Lesson 12-1 [5.NF.7a and 5.NF.7b]	Major: Consider augmenting or upgrading here so that the standards are covered more fully
12-2	Choices, Tree Diagrams, and Probability	920–925	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, SMP7, 5.NBT.7	Math Journal, page 403	Major: Consider augmenting or upgrading here so that the standards are covered more fully
12-3	American Tour: Ratio Exploration	926–930	SMP2, SMP3, SMP4, 5.NF.7a, 5.NF.7b, 5.NF.7c	Teacher’s Lesson Guide - Lesson 12-3 [5.NF.7a and 5.NF.7b]	Major: Consider augmenting or upgrading here so that the standards are covered more fully
12-4	Ratios of Parts to Wholes	931–935	SMP2, SMP5, SMP6	Math Journal, page 411	Math Practices only: Consider omitting
12-5	Number Models for Ratio Number Stories	936–941	SMP1, SMP2, SMP3, SMP4, SMP6, 5.NF.7a, 5.NF.7b, 5.NF.7c	Teacher’s Lesson Guide Lesson 12-5 [5.NF.7a, 5.NF.7b, and 5.NF.7c]	Major: Consider augmenting or upgrading here so that the standards are covered more fully

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Lesson	Lesson Title	Pages	CCSS	Online Content for CCSS Alignment	Cluster Emphases
12-6	Finding Your Heart Rate	942–945	SMP1, SMP2, SMP4, SMP5, SMP6	Math Masters, page 512	Math Practices only: Consider omitting
12-7	Collecting, Graphing, and Interpreting Data	946–951	SMP1, SMP2, SMP4, SMP5, SMP6, SMP8, 5.NBT.4		Major: Consider augmenting or upgrading here so that the standards are covered more fully
12-8	Finding Your Cardiac Output	952–956	SMP1, SMP2, SMP3, SMP5, SMP6, SMP8, 5.G.1		Additional: Consider spending less time on this lesson
12-9	Progress Check 12	957–961		Teacher’s Lesson Guide Progress Check 12 Assessment Handbook, pages 212–214	
Projects					
1	The Sieve of Eratosthenes	440-442 (964-966)	SMP1, SMP2, SMP5, SMP6, SMP7		Math Practices only: Consider omitting
2	Deficient, Abundant, and Perfect Numbers	443-445 (967-969)	SMP1, SMP2, SMP3, SMP5, SMP7, ----- 5.OA.1		Additional: Consider spending less time on this lesson

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Lesson	Lesson Title	Pages	CCSS	Online Content for CCSS Alignment	Cluster Emphases
3	An Ancient Multiplication Algorithm	446-448 (970-972)	SMP1, SMP2, SMP3, SMP5, SMP6, SMP7, SMP8		Math Practices only: Consider omitting
4	“Magic” Computation Tricks	449-452 (973-976)	SMP1, SMP2, SMP3, SMP5		Math Practices only: Consider omitting
5	How Would You Spend \$1,000,000?	453-455 (977-979)	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6 ----- 5.NBT.7		Major: Consider augmenting or upgrading here so that the standards are covered more fully
6	Sports Areas	456-458 (980-982)	SMP1, SMP2, SMP4, SMP5, SMP6, SMP8 ----- 5.MD.1		Major: Consider augmenting or upgrading here so that the standards are covered more fully
7	Polygon Areas and Pick’s Formula	459-461 (983-985)	SMP1, SMP2, SMP3, SMP5, SMP6, SMP8 ----- 5.OA.1		Additional: Consider spending less time on this lesson
8	Pendulums	462-466 (986-990)	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6 ----- 5.G.2		Additional: Consider spending less time on this lesson

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Lesson	Lesson Title	Pages	CCSS	Online Content for CCSS Alignment	Cluster Emphases
9	Adding Volumes of Solid Figures	466A-466D (990A-990D)	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, SMP8 ----- 5.MD.3a, 5.MD.3b, 5.MD.4, 5.MD.5a, 5.MD.5b, 5.MD.5c		Major: Consider augmenting or upgrading here so that the standards are covered more fully
Algorithm Projects					
1	U.S. Traditional Addition	A1-A5	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, SMP8		Math Practices only: Consider omitting
2	U.S. Traditional Addition: Decimals	A6-A10	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, SMP8 ----- 5.NBT.7		Major: Consider augmenting or upgrading here so that the standards are covered more fully
3	U.S. Traditional Subtraction	A11-A15	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, SMP8		Math Practices only: Consider omitting
4	U.S. Traditional Subtraction: Decimals	A16-A21	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, SMP8 ----- 5.NBT.7		Major: Consider augmenting or upgrading here so that the standards are covered more fully

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Lesson	Lesson Title	Pages	CCSS	Online Content for CCSS Alignment	Cluster Emphases
5	U.S. Traditional Multiplication	A22-A26	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, SMP8 ----- 5.NBT.5		Major: Consider augmenting or upgrading here so that the standards are covered more fully
6	U.S. Traditional Multiplication: Decimals	A27-A31	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, SMP8 ----- 5.NBT.5, 5.NBT.7		Major: Consider augmenting or upgrading here so that the standards are covered more fully
7	U.S. Traditional Long Division	A32-A39	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, SMP8 ----- 5.NBT.6		Major: Consider augmenting or upgrading here so that the standards are covered more fully
8	U.S. Traditional Long Division	A40-A42	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, SMP8 ----- 5.NBT.7		Major: Consider augmenting or upgrading here so that the standards are covered more fully
9	U.S. Traditional Long Division: Decimals	A43-A45	SMP1, SMP2, SMP3, SMP4, SMP5, SMP6, SMP8 ----- 5.NBT.7		Major: Consider augmenting or upgrading here so that the standards are covered more fully

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