

MATH - 5th

School	Teacher	Email	Course#	Grade Level
Lettie Brown Elementary School	VanDerVoorn, Lauri	Lauri.VanDerVoorn@morton709.org	MA4500	5

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August 2015

Content	Skills	Assessment	Resources
5.NBT.1 Place Value	<p> 5.NBT.1 Know place value names, but also have a clear understanding of base ten system.</p> <p>Prerequisites (PR): Knowledge of the Base 10 system</p>		5.NBT.1 Text: Lesson 1.1, 1.2 ***Base 10 Blocks
5.NBT.3 Decimals to thousandths.	<p>5.NBT.3</p> <p> (a) Apply expanded form, short word, etc. >, <, =. Recite numbers aloud correctly.</p> <p> (b) Compare 2 decimals to the thousandths place</p> <p>Prerequisites (PR): Place value, knowledge of number line</p>		5.NBT.3 Text: Lesson 1.2, Lesson 1.8

September 2015

Content	Skills	Assessment	Resources
5.NBT.2 Powers of 10 & whole number exponents	<p> 5.NBT.2 Understand use of exponents. For example: $10^3 = 10 \times 10 \times 10$</p> <p>PR: Base ten system</p>		5.NBT.2 Understand use of exponents. For example: $10^3 = 10 \times 10 \times 10$ Chapter 2.3, 2.4 PR: Base ten system
5.NBT.5 Multiply whole numbers	<p> 5.NBT.5 Fluently multiply multi-digit whole numbers using the standard algorithm</p> <p>PR: Fact fluency</p>		5.NBT.5 Chapter 2
5.NBT.6 Divide whole numbers (up to 4 digit by 2 digit)	<p> 5.NBT.6 Represent with visual models, more in depth (area models, arrays)</p> <p>PR: Fact fluency</p>		5.NBT.4 Text: Chapter 3 (1 digit divisor) Chapter 4 (2 digit divisor) Online Resources: Task Cards. \$1.50 http://www.teacherspayteachers... >> http://www.teacherspayteachers...

October 2015

Content	Skills	Assessment	Resources
5.NBT.4 Round decimals	<p> 5.NBT.4 Use place value understanding to round decimals to any place</p>		5.NBT.4 Text: Chapter 5-1 PR: Rounding Whole Numbers
5.NBT.7 Operations of decimals	<p> 5.NBT.7 Apply skills to solve decimal math problems with addition, subtraction, multiplication, and division. Identify and use strategies based on place value to solve problems.</p> <p>PR:</p> <ul style="list-style-type: none"> • Fact fluency • • • Understanding of addition, subtraction, multiplication, & division of whole numbers 		5.NBT.7 Addition/ Subtraction: Text: Chapter 5 Multiplication/ Division: Text: Chapter 6 5.NBT.1-7 Tasks: This site has multiple tasks that can be used for Quarter 1 Tasks. http://www.k-5mathteachingreso... "target=_blank"> http://www.k-5mathteachingreso...

November 2015

Content	Skills	Assessment	Resources
<p>5.G.3 2-dimensional figures</p> <p>Allow time for curriculum adjustment. Time allotted for task completion.</p>	<p>5.G.3 Distinguish attributes, such as sides, angles, congruency, similarity, parallel, perpendicular. Classify polygons such as: rhombus/rhombi, rectangle, square, triangle (equilateral, scalene, isosceles, obtuse, acute, right), quadrilateral, pentagon, hexagon, trapezoid, circle (half/quarter circle)</p> <p>PR:</p> <ul style="list-style-type: none"> - Right, acute, obtuse, and straight angles. - Parallel and perpendicular - Use of protractor - Knowing how to compare, contrast, and classify. 		<p>5.G.3 Text: Chapter 12.1</p> <p>Internet Resources:</p> <p>http://illuminations.nctm.org</p> <p>Medium Level Task Cards to reinforce shape attributes. \$1.50 http://www.teacherspayteachers</p> <p>Supplemental: Flash Cards (Vocabulary), Grid Paper, Manipulatives (Geo-Board, Shape Models)</p>

December 2015

Content	Skills	Assessment	Resources
<p>5.G.4 Properties of 2-Dimensional figures</p> <p>5.MD.3 Find Volume of Rectangular Prisms and</p> <p>5.MD.4 Coordinating graphing in real world situations</p> <p>5.MD.5 Volume Related to Multiplication and Addition in Real World Problems</p>	<p>5.G.4: Organize the 2-dimensional figures in a variety of models, such as table, flowcharts, and diagrams. Prerequisites: -Venn diagram -Knowing & understanding the 2-dimensional shapes' attributes.</p> <p>5.MD.3 and 5.MD.4: Students will use (a)centimeter cubes to build rectangular prisms and discover the (b)volume of rectangular prisms. Use formula $l \times w \times h$ Prerequisites: -multiplication -area</p> <p>5.MD.5 (a) Finding volume with unit cubes (concrete examples) (b) Real world problems using the formula ($v = l \times w \times h$ and $v = b \times h$) for finding volume. (c) Adding volume of two rectangular prisms to find the total. Apply this technique to solve real world problems. Prerequisites: -multiplication -area</p>		<p>5.G.4: Text: Chapter 12, Lessons 2-5 5.MD.3 and 5.MD.4: Text: Chapter 12, Lessons 8 and 9 Materials: • Centimeter Cubes 5.MD.5 Text: Chapter 12, Lessons 10, 11, 12</p>

	Real World Word Problems		Chapter 10 Manipulatives: · bar diagrams · counters · fraction tiles · number lines
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March 2016

Content	Skills	Assessment	Resources
5.NF.7 Division of Fractions in Real World Problems	 5.NF.7 Divide whole numbers by fractions and fractions by whole numbers. (Not including division of mixed numbers)  (a) story context for fraction divided by a whole number  (b) story context for whole number divided by a fraction  (c) solve real world problems involving division including both fractions and whole numbers Prerequisites: -Multiplication of fractions		Text: Chapter 10.9, 10.10, 10.11 Resource: Tasks: This site has multiple tasks that can be used for Quarter 3 Tasks. http://www.k-5mathteachingresources.com/5th-grade-number-activities.html

April 2016

Content	Skills	Assessment	Resources
5.MD.1 Measurement conversion	 5.MD.1 -Measure units of length, volume, weight & mass (customary & metric) -Convert units of length, volume, weight & mass, and time. Prerequisites (PR): -Metric: Base ten system -Customary: understanding of fractions -Multiplication and division		5.MD.1 and 5.MD.2 Chapter 11 in text would help students meet the prerequisites for this standard. Students should have a clear understanding of what fractions represent prior to teaching operations with fractions. Materials: • inch rulers and other tools for measurement • classroom objects
5.MD.2 Line Plots	 5.MD.2 Display measurement data in fractions of a unit on a line plot and solve real-world problems. Find the fair share (average) of data. PR: -Understanding of line plots		

May 2016

Content	Skills	Assessment	Resources
5.0A.1 Order of Operations	 5.0A.1 Write and interpret numerical expressions recognizing the symbols		5.0A.1 Text: Chapter 7.1, 7.2
5.0A.2 Numerical Expressions	 5.0A.2 Write and interpret numerical expressions understanding what symbols mean and what they mean		5.0A.2 Text: Chapter 7.3
5.0A.3 Patterns	 5.0A.3 Analyze patterns and relationships of numbers		5.0A.3 Text: Chapter 7.5, 7.6
	 5.G.1 Plot points in the first quadrant only (positive numbers)		5.G.1 and 5.G.2 Text: Chapter 7.7, 7.8, 7.9
	 5.G.2 Use coordinate graphing in maps, line graphs,		Supplemental: Grid paper, Cartesian cartoons

