

5th Grade Math

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updated Tracey Williams 7/27/2020,5/24/2021

5 th Math	Content	Skills	Assessments	Resources
1 st Nine Weeks	<p>Volume 1 - Fluency with Whole Numbers and Decimals</p> <ul style="list-style-type: none"> Chapter 1- Place Value, Multiplication, Expressions-(split into 2 tests) Chapter 2- Divide Whole Numbers Chapter 3 - Add and Subtract Decimals 	<ul style="list-style-type: none"> identify patterns with place value 10 to 1 read and write place value through hundreds millions add through billions review round whole numbers review add/subtract whole numbers identify commutative, associative and identity properties of addition and multiplication powers of ten and exponents multiply by powers of ten using mental math multiply by 1 digit numbers multiply by multi digit numbers- more practice with multiplication by 3 digit numbers lots of problem solving and explaining word problems write numerical expression to describe a situation evaluate numerical expressions using order of operations including brackets divide by one digit divisors use compatible numbers to estimate division with 2 digit divisors divide by 2 digit divisors interpret the remainder in division problem solving describe the 10 to 1 relationship for decimal place value read and write decimals to thousandths place- add to ten-thousandths place compare and order decimals add and subtract decimals to thousandths estimate using decimal sums and differences 	<ul style="list-style-type: none"> Textbook problems Chapter Review problems Graded workbook pages Quizzes Chapter Tests Multiplication, division, flashcards for 15 minutes each night, signed by the parents – summer requirement Daily Math-morning work 	<ul style="list-style-type: none"> Go Math by Houghton Mifflin Harcourt online- Personal Math Trainer IXL online website resource old math textbooks and websites for practice pages Order of Operations Classroom Chart base ten manipulative blocks Decimal Chart Clock for time and elapsed time Math Magician website for multiplication practice www.digitwhiz.com https://www.math-aids.com/ Prodigy math game

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		<ul style="list-style-type: none"> describe and complete patterns with decimals add and subtract money 		
2 nd Nine Weeks	<ul style="list-style-type: none"> Chapter 4 Multiply Decimals Chapter 5 Divide Decimals Fraction Prep Unit 	<ul style="list-style-type: none"> use patterns, estimation, and powers of ten to place decimal correctly model decimal multiplication multiply decimals and whole numbers multiply money multiply decimal by decimal multiply decimal by decimal and add zeros to product use place value positions or exponents to place the decimal point in quotients use decimal models to divide decimals estimate quotients using compatible numbers divide decimal by whole number divide decimal by decimal using models divide decimals use a decimal and zero to change remainders to a decimal work backwards using a flowchart to solve problems find multiples and LCM of a set of numbers find factors and GCF of a set of numbers identify prime and composite numbers make a factor tree to find prime factorization identify equivalent fractions write fraction in simplest form rename improper fractions as mixed numbers and mixed numbers as improper fractions add and subtract fractions with like denominators 	<ul style="list-style-type: none"> Textbook problems Chapter Review problems workbook pages Quizzes Chapter Tests 	<ul style="list-style-type: none"> Grid Paper fraction bars <p>Mixed numbers/improper fraction video</p>

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3rd Nine Weeks	<p>Operations with Fractions</p> <ul style="list-style-type: none"> Chapter 6 Add and Subtract Fractions with Unlike Denominators Chapter 7 Multiply Fractions Chapter 8 Divide Fractions 	<ul style="list-style-type: none"> estimate fraction sums and differences write equivalent fractions using common denominators add and subtract unlike fractions add and subtract mixed numbers subtract mixed numbers using renaming identify a pattern in a sequence of fractions solve word problems with fractions introduce equations use addition properties to add fractions find the fractional part of a group by drawing counters multiply a fraction by a whole number compare fraction factors and products (number sense) multiply a fraction by a fraction multiply a fraction by a mixed number multiply two mixed numbers use fractions strips and number lines to divide whole number by a fraction and a fraction by a whole number draw a diagram to solve fraction division word problems write a fraction as a division problem write the reciprocal of a fraction divide fraction by fraction divide mixed numbers 	<ul style="list-style-type: none"> Textbook problems Chapter Review problems workbook pages Quizzes Chapter Tests 	<ul style="list-style-type: none"> fraction pieces Simplify before multiply https://www.youtube.com/watch?v=9IDWqAKj3VY Learnzillion.com
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<p>4th Nine Weeks</p>	<p>Geometry and Measurement</p> <ul style="list-style-type: none"> Chapter 9 Algebra: Patterns and Graphing Chapter 10 Convert Units of Measure Chapter 11 Geometry and Volume 	<ul style="list-style-type: none"> line plots: fractions, average, order of operations graph points using ordered pairs graph data on coordinate grid create and analyze a line graph complete numerical patterns and identify the rule solve a simpler problem to find patterns and answer word problems graph ordered pairs and find pattern and unknown using a ruler to measure to nearest $\frac{1}{8}$ and $\frac{1}{16}$ of an inch and to nearest mm convert customary units and compare-dimensional analysis explore customary capacity measurements - draw gallon man or gallon kingdom convert customary units of capacity convert customary units of weight convert metric units convert units of time and solve elapsed time problems identify and name points, lines, rays, line segments identify parallel and perpendicular lines identify and measure types of angles name and classify polygons identify regular polygons classify triangles by sides and angles - isosceles, scalene, equilateral, right, obtuse, acute describe and classify quadrilaterals- parallelogram, rhombus, square, rectangle, trapezoid identify and name 3D figures find the volume of a rectangular prism 	<ul style="list-style-type: none"> Textbook problems Chapter Review problems workbook pages Chapter Tests 	<ul style="list-style-type: none"> Classroom protractors, and class manipulatives Ruler, yardstick, and measuring tape Measure It! - a game on Funbrain Interactive Ruler website Free on-screen ruler on the Web <ul style="list-style-type: none"> The Ruler Game www.rulergame.net Measuring Capacity for Kids video https://youtu.be/-ggDTIFnhho foldable to record customary units Measurement gallon man video Measurement - Gallon Man Land of gallon video Land of Gallon (Customary Measurement for
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		Daily Math- and Math packets and Math Wars Game to introduce other concepts and practice - percent, parts of a circle,, symmetry, perimeter, area, ratio.		Liquid Capacity/Volume) <ul style="list-style-type: none">• worksheet packet on basic geometry using Geometry Powerpoint 2019-2020- virtual for ch9, ch10, and ch 11 2020-2021- did ch 11 and skipped ch 10
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