

Crest Memorial School Curriculum and Pacing Guide

Grade: 5th Grade

Subject: Mathematics

Adoption Date: 04/01/14

Revision Date: 08/9/21

	MP1	MP2	MP3	MP4
Scope and Sequence and Essential Questions	<p>How can you use place value, multiplication, and expressions to represent and solve problems? (20 days)</p> <p>How can you divide whole numbers? (16 days)</p> <p>How can you use place value to understand the concept of decimals? (7 days)</p>	<p>How can you add and subtract decimals? (17 days)</p> <p>How can you solve decimal multiplication problems? (13 days)</p> <p>How can you solve decimal division problems? (13 days)</p>	<p>How can you add and subtract fractions with unlike denominators? (18 days)</p> <p>How do you multiply fractions? (15 days)</p> <p>What strategies can you use to solve division problems involving fractions? (12 days)</p>	<p>How can you use line plots, coordinate grids, and patterns to help you graph and interpret data? (12 days)</p> <p>What strategies can you use to compare and convert measurements? (11 days)</p> <p>How do unit cubes help you build solid figures and understand the volume of a rectangular prism? (16 days)</p>
Instructional Materials	<ul style="list-style-type: none"> * <u>Go Math</u> - Houghton Mifflin Harcourt 2015 * Think Central * Manipulatives including but not limited to counters, base ten blocks, and multiplication charts * Place Value Charts * Supplemental Handouts * Whiteboards * Concept Readers * Interactive Student Edition * Grab-n-Go Centers * Math on the Spot Videos 	<ul style="list-style-type: none"> * <u>Go Math</u> - Houghton Mifflin Harcourt 2015 * Think Central * Manipulatives including but not limited to counters, base ten blocks, and multiplication charts * Place Value Charts * Supplemental Handouts * Whiteboards * Concept Readers * Interactive Student Edition * Grab-n-Go Centers * Math on the Spot Videos 	<ul style="list-style-type: none"> * <u>Go Math</u> - Houghton Mifflin Harcourt 2015 * Think Central * Manipulatives including but not limited to counters, base ten blocks, and multiplication charts * Place Value Charts * Supplemental Handouts * Whiteboards * Concept Readers * Interactive Student Edition * Grab-n-Go Centers * Math on the Spot Videos 	<ul style="list-style-type: none"> * <u>Go Math</u> - Houghton Mifflin Harcourt 2015 * Think Central * Manipulatives including but not limited to counters, base ten blocks, and multiplication charts * Place Value Charts * Supplemental Handouts * Whiteboards * Concept Readers * Interactive Student Edition * Grab-n-Go Centers * Math on the Spot Videos

	<ul style="list-style-type: none"> * Interactive Smartboard Activities * Calculators * Multiplication Masters Program * Brain Pop / Discovery Education Websites * Teacher Created Resources 	<ul style="list-style-type: none"> * Interactive Smartboard Activities * Calculators * Multiplication Masters Program * Brain Pop / Discovery Education Websites * Teacher Created Resources 	<ul style="list-style-type: none"> * Interactive Smartboard Activities * Calculators * Multiplication Masters Program * Brain Pop / Discovery Education Websites * Teacher Created Resources 	<ul style="list-style-type: none"> * Interactive Smartboard Activities * Calculators * Multiplication Masters Program * Brain Pop / Discovery Education Websites * Teacher Created Resources
Standards	5.NBT.A.1 5.NBT.A.2 5.NBT.B.5 5.NBT.B.6 5.OA.A.1 5.OA.A.2 5.NF.B.3	5.NBT.A.1 5.NBT.A.2 5.NBT.A.3a 5.NBT.A.3b 5.NBT.A.4 5.NBT.B.7	5.OA.A.2 5.NF.A.1 5.NF.A.2 5.NF.B.3 5.NF.B.4a - 4b 5.NF.B.5a - 5b 5.NF.B.6 5.NF.B.7a - 7c	5.OA.B.3 5.MD.A.1 5.MD.B.2 5.MD.C.3a - 3b 5.MD.C.4 5.MD.C.5a - 5c 5.G.A.1 5.G.A.2 5.G.B.3 5.G.B.4
Activities	<p>Activity: Students will compare and order high-rise buildings around the world using place value charts.</p> <p>Activity: Using 10 by 10 grids and place value charts, students will draw whole numbers and decimals to represent each.</p> <p>Activity: Students will use a list of toys and prices to create a total of a “wish list” for an upcoming birthday.</p> <p>Activity: Students will use estimate sums and differences to determine how much change you should receive from a grocery store.</p> <p>Activity: Students will use patterns of multiplication to</p>	<p>Activity: Students will use prices of popular products create different ways to represent data to show little or large variation in prices.</p> <p>Activity: Students will plan a class party using popular snack foods and multiplication and division to make sure they bought enough.</p> <p>Activity: Students will play I have Who Has with different multiplication factors and products.</p> <p>Activity: Students will use division to solve real world problems using decimals.</p> <p>Activity: Students will shop for different items in bulk and use division to find unit price.</p>	<p>Activity: Students will use fraction bars to make a list of fractions and their least common denominators.</p> <p>Activity: Students will use “I Have, Who Has” cards to find your partner who has equivalent fractions and decimals.</p> <p>Activity: Students will work with a partner to create a detailed list of sequential steps on how to subtract mixed numbers with borrowing.</p> <p>Activity: Students will pick two mixed number cards. Add the mixed numbers and then subtract the mixed numbers. Check your answers with a partner.</p>	<p>Activity: Students will use data on “Class Pets” to make a line plot and analyze the results.</p> <p>Activity: Students will design a backyard garden. Work together to create a plan for fence and fertilizer. Use perimeter and area to distinguish between each.</p> <p>Activity: Students will add a pool to your backyard design. Calculate the volume of water, perimeter of pool tiles, and area of the pool cover.</p> <p>Activity: Students will measure different objects around the room in customary and metric. Compare the results.</p>

	compute products comparing square miles of world's smallest countries.		Activity: Students will use input/output charts to create a fluent chart using multiplication and division of fractions as the rule.	Activity: Students will use base ten conversions, convert between different metric units. "KHDMDCH"
Modifications	<p>Tier 1:</p> <ul style="list-style-type: none"> * Assist struggling students * Complete more challenging problems * Model examples for class <p>Tier 2:</p> <ul style="list-style-type: none"> *Will complete all assigned problems *Use supplemental aides (manipulatives, charts, graphic organizers) *Complete work on own <p>Tier 3:</p> <ul style="list-style-type: none"> *Modify amount of work *Provide extra time *Word problems read aloud *Extra help in small groups or one-one *Repeat, clarify, reword directions *Breaks as needed *Manipulatives on assessments 	<p>Tier 1:</p> <ul style="list-style-type: none"> * Assist struggling students * Complete more challenging problems * Model examples for class <p>Tier 2:</p> <ul style="list-style-type: none"> *Will complete all assigned problems *Use supplemental aides (manipulatives, charts, graphic organizers) *Complete work on own <p>Tier 3:</p> <ul style="list-style-type: none"> *Modify amount of work *Provide extra time *Word problems read aloud *Extra help in small groups or one-one *Repeat, clarify, reword directions *Breaks as needed *Manipulatives on assessments 	<p>Tier 1:</p> <ul style="list-style-type: none"> * Assist struggling students * Complete more challenging problems * Model examples for class <p>Tier 2:</p> <ul style="list-style-type: none"> *Will complete all assigned problems *Use supplemental aides (manipulatives, charts, graphic organizers) *Complete work on own <p>Tier 3:</p> <ul style="list-style-type: none"> *Modify amount of work *Provide extra time *Word problems read aloud *Extra help in small groups or one-one *Repeat, clarify, reword directions *Breaks as needed *Manipulatives on assessments 	<p>Tier 1:</p> <ul style="list-style-type: none"> * Assist struggling students * Complete more challenging problems * Model examples for class <p>Tier 2:</p> <ul style="list-style-type: none"> *Will complete all assigned problems *Use supplemental aides (manipulatives, charts, graphic organizers) *Complete work on own <p>Tier 3:</p> <ul style="list-style-type: none"> *Modify amount of work *Provide extra time *Word problems read aloud *Extra help in small groups or one-one *Repeat, clarify, reword directions *Breaks as needed *Manipulatives on assessments
Interdisciplinary Connections	Social Studies - Research and use place value to order the population of the world's five smallest countries.	Integrated Language Arts: Read the story, <u>Lowest Price</u> , relating decimal division to money and finding the lowest unit price.	Science: Compare and order different sea turtle lengths using fractions and mixed numbers.	Social Studies: Use a frequency table and a line plot to show aspects of different ancient civilizations.
Assessments	<p>Ongoing Progress Monitoring</p> <ul style="list-style-type: none"> ● Homework ● Classwork <p>Benchmarks</p>	<p>Ongoing Progress Monitoring</p> <ul style="list-style-type: none"> ● Homework ● Classwork <p>Benchmarks</p>	<p>Ongoing Progress Monitoring</p> <ul style="list-style-type: none"> ● Homework ● Classwork <p>Benchmarks</p>	<p>Ongoing Progress Monitoring</p> <ul style="list-style-type: none"> ● Homework ● Classwork <p>Benchmarks</p>

	<ul style="list-style-type: none"> • Mid Chapter Checkpoint • Chapter Quizzes • Teacher Observation <p>Summative Assessment</p> <ul style="list-style-type: none"> • Chapter Test • MAP Test 	<ul style="list-style-type: none"> • Mid Chapter Checkpoint • Chapter Quizzes • Teacher Observation <p>Summative Assessment</p> <ul style="list-style-type: none"> • Chapter Test • MAP Test 	<ul style="list-style-type: none"> • Mid Chapter Checkpoint • Chapter Quizzes • Teacher Observation <p>Summative Assessment</p> <ul style="list-style-type: none"> • Chapter Test • MAP Test 	<ul style="list-style-type: none"> • Mid Chapter Checkpoint • Chapter Quizzes • Teacher Observation <p>Summative Assessment</p> <ul style="list-style-type: none"> • Chapter Test • MAP Test
21st Century Themes and Skills	CRP2 CRP4 CRP11	CRP2 CRP4 CRP11	CRP2 CRP4 CRP11	CRP2 CRP4 CRP11