

Crest Memorial School Curriculum and Pacing Guide	
Grade: 7th	Subject Area: Math
Adoption Date:	Revision Date: August 6th 2024

Mission and Vision Statements
<p><i>Mission:</i> Successful teaching and learning of mathematics play an important role in ensuring that students have the right skills required to compete in a 21st century global economy. When properly implemented and coupled with opportunities for students to engage in mathematical investigation, communication and problem solving, rigorous mathematics standards hold the promise of elevating the mathematical knowledge and skill of every learner to levels competitive with the best in the world, of preparing our college entrants to undertake advanced work in the mathematical sciences, and of readying the next generation for the jobs their world will demand.</p> <p><i>Vision:</i> A New Jersey education in Mathematics builds quantitatively and analytically literate citizens prepared to meet the demands of college and career, and to engage productively in an information-driven society. All students will have access to a high-quality mathematics education that fosters a population that:</p> <ul style="list-style-type: none"> ● leverages data in decision-making and as a lens for discussing, analyzing, and responding to practical questions. ● persists to make sense of and model problems arising in everyday life, society, and the workplace. ● thinks critically and strategically to assess quantitative relationships and to solutions to complex problems. ● employs precise reasoning and constructs viable arguments to deduce conclusions, recognize false statements and assess peers' reasoning. ● interprets, evaluates and critiques the mathematics embedded in social, scientific and commercial systems, as well as the claims made in the private and public sectors. ● communicates precisely when conveying, representing, and justifying both qualitative and quantitative perspectives

Integration of Technology
<ul style="list-style-type: none"> ● 9.4.2.TL.3: ● 9.4.2.TL.4:

21st Century Skills
9.4.5.IML.5 9.4.5.IML.6

Career Education

- 9.2.8.CAP.2
- 9.2.8.CAP.6

Interdisciplinary Connection

- SCI.MS-ESS1-3
- MA.K-2.1.2.2.Cn10a

Accommodations and Modifications

Special Education	<ul style="list-style-type: none">● follow 504/IEP accommodations● provide a student copy of class notes● read test questions aloud● provide a “second chance” grading option (correct answers for additional points)● allow extra time to complete assignments● color code notebook dividers by tests, study guides, etc.
English Language Learners	<ul style="list-style-type: none">● create visual word wall with labels● highlight and define important vocabulary● ask yes/no questions● provide sentence frames or sentence stems● allow for use of pictures in science journal with dictation support● create a word map
Students At-Risk of Failure	<ul style="list-style-type: none">● Allow verbalization before writing● Use audio materials when necessary● Read tests aloud● Restate, reword, clarify directions● Re-teach concepts using small groups● Provide educational “breaks” as necessary● Chunking content into “digestible bites”● Shorten assignments to focus on mastery concept● Assignment, Project, and Assessment Modification Based on Individual Student Needs● Use mnemonic devices
Gifted and Talented	<ul style="list-style-type: none">● Student Choice● Assignment, Project, and Assessment Modification Based on Individual Student Needs

Students with 504 Plans	<ul style="list-style-type: none"> ● Allow verbalization before writing ● Use audio materials when necessary ● Read tests aloud ● Restate, reword, clarify directions ● Re-teach concepts using small groups ● Provide educational “breaks” as necessary ● Chunking content into “digestible bites” ● Shorten assignments to focus on mastery concept ● Use mnemonic devices
-------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Assessments	
Formative	<ul style="list-style-type: none"> ● Warm-Ups ● Lesson Quick Checks (Exit Tickets) ● Teacher Observation ● Effective Questioning
Summative	<ul style="list-style-type: none"> ● Unit Exams ● Short Lessons
Benchmark	<ul style="list-style-type: none"> ● MAP Test ● Unit Exams
Alternative	<ul style="list-style-type: none"> ● Projects ● Performance Exams

Pacing Guide	
Unit 1: The Number System	21 Days
Unit 2: Expressions	19 Days
Unit 3: Solving Equations and Inequalities	20 Days
Unit 4: Ratios, Rates and Proportions	20 Days
Unit 5: Geometry	34 Days
Unit 6: Probability	23 Days

Unit 7: Statistics	8 Days
--------------------	--------

Unit Learning Goals
<ul style="list-style-type: none"> • Students will be able to complete problems using Rational Numbers • Students will be able to convert between fractions and decimals • Students will be able to use the order of operations to simplify problems • Students will be able to use Operations with Rational Numbers to solve word problems

Core Instructional Materials	Supplemental Materials
<ul style="list-style-type: none"> • Textbook 	<ul style="list-style-type: none"> • Online Math Dictionary • Math Antics Videos

Daily Targets	NJSLS Performance Expectations	Instructional Activities
<ul style="list-style-type: none"> • Day 1: Introduce the Number System 	<ul style="list-style-type: none"> • MA.7.NS 	<ul style="list-style-type: none"> • Set Up Unit 1 Binders • Watch Video on Positive and Negative Numbers • Complete Unit 1 Vocabulary • Unit 1 Vocabulary Crossword Puzzle
<ul style="list-style-type: none"> • Day 2: Understanding Absolute Value 	<ul style="list-style-type: none"> • MA.7.NS.A.1b 	<ul style="list-style-type: none"> • Warm-Up: Operations with Decimals and Fractions Questions • Notes on Lesson 1 Absolute Value • Absolute Value Independent Practice Worksheet
<ul style="list-style-type: none"> • Day 3: Understanding Operations with Rational Numbers 	<ul style="list-style-type: none"> • MA.7.NS.A.1a 	<ul style="list-style-type: none"> • Warm-Up: Absolute Value Question • Watch Video Introducing Operations with rational numbers • Complete Absolute Value Practice Worksheet to review together
<ul style="list-style-type: none"> • Day 4: Understanding Adding Rational Numbers 	<ul style="list-style-type: none"> • MA.7.NS.A.1b 	<ul style="list-style-type: none"> • Warm-Up: Adding Fractions Questions • Notes on Lesson 2 Adding Rational Numbers

		<ul style="list-style-type: none"> • Adding Using Number Line Worksheet
<ul style="list-style-type: none"> • Day 5: Understanding Adding Rational Numbers 	<ul style="list-style-type: none"> • MA.7.NS.A.1b 	<ul style="list-style-type: none"> • Warm-Up: Adding Positives and Negatives • Review Homework Together • Whiteboard Addition Practice • Shade by Answer Worksheet
<ul style="list-style-type: none"> • Day 6: Understanding Subtracting Rational Numbers 	<ul style="list-style-type: none"> • MA.7.NS.A.1c 	<ul style="list-style-type: none"> • Warm-Up: Word Problems Using Addition • Notes on Lesson 3 Subtracting Rational Numbers
<ul style="list-style-type: none"> • Day 7: Understanding Subtracting Rational Numbers 	<ul style="list-style-type: none"> • MA.7.NS.A.1c 	<ul style="list-style-type: none"> • Warm-Up: Practice Subtraction Problems • Review Previous Days Work • Color by Answer Worksheet in Notebook
<ul style="list-style-type: none"> • Day 8: Understanding Operations with Rational Numbers 	<ul style="list-style-type: none"> • MA.7.NS.A.1d 	<ul style="list-style-type: none"> • Warm-Up: Multi-Operation Questions • Addition Problem Trail Activity • Shade by Answer Worksheet Page 26
<ul style="list-style-type: none"> • Day 9: Understanding Operations with Rational Numbers 	<ul style="list-style-type: none"> • MA.7.NS.A.1d 	<ul style="list-style-type: none"> • Warm-Up: Multi-Operation Questions • Adding and Subtracting Pixel Art Activity
<ul style="list-style-type: none"> • Day 10: Reviewing Operations with Rational Numbers 	<ul style="list-style-type: none"> • MA.7.NS.A.1b • MA.7.NS.A.1c • MA.7.NS.A.1d 	<ul style="list-style-type: none"> • Warm-Up: Questions with all operations • Board Races Game to Review
<ul style="list-style-type: none"> • Day 11: Assessing Operations with Rational Numbers 	<ul style="list-style-type: none"> • MA.7.NS.A.1b • MA.7.NS.A.1c • MA.7.NS.A.1d 	<ul style="list-style-type: none"> • Quiz on Lessons 1 through 3
<ul style="list-style-type: none"> • Day 12: Understanding Multiplication and Division of Rational Numbers 	<ul style="list-style-type: none"> • MA.7.NS.A.2a • MA.7.NS.A.2b 	<ul style="list-style-type: none"> • Warm-Up: Review Quiz • Notes on Lesson 4 Multiplying and Dividing Rational Numbers
<ul style="list-style-type: none"> • Day 13: Understanding Multiplication and Division of Rational Numbers 	<ul style="list-style-type: none"> • MA.7.NS.A.2a • MA.7.NS.A.2b • MA.7.NS.A.2c 	<ul style="list-style-type: none"> • Warm-Up: Multiplication and Division Questions • Practice Whiteboard Problems • Riddle Worksheet for Practice
<ul style="list-style-type: none"> • Day 14: Understanding conversions between fractions and decimals 	<ul style="list-style-type: none"> • MA.7.NS.A.2d 	<ul style="list-style-type: none"> • Warm-Up: Order of Operations Question • Notes on Less 5 Rational Numbers to Decimals • Independnt Practice Worksheet
<ul style="list-style-type: none"> • Day 15: Understanding conversions between fractions and decimals 	<ul style="list-style-type: none"> • MA.7.NS.A.2d 	<ul style="list-style-type: none"> • Warm-Up: Convert from fractions to decimal

		<ul style="list-style-type: none"> Review Homework Together Fraction to Decimal Conversion Riddle
<ul style="list-style-type: none"> Day 16: Review Lessons 3 through 5 	<ul style="list-style-type: none"> MA.7.NS.A.2a MA.7.NS.A.2b MA.7.NS.A.2c MA.7.NS.A.2d 	<ul style="list-style-type: none"> Warm-Up: Review Yesterday's Work Review What will be on the quiz with a study guide Quizizz Review Game for Practice
<ul style="list-style-type: none"> Day 17: Assessing Lessons 3 through 5 	<ul style="list-style-type: none"> MA.7.NS.A.2a MA.7.NS.A.2b MA.7.NS.A.2c MA.7.NS.A.2d 	<ul style="list-style-type: none"> Quiz on Lessons 3,4 and 5
<ul style="list-style-type: none"> Day 18: Understanding Order of Operations 	<ul style="list-style-type: none"> MA.7.NS.A.3 	<ul style="list-style-type: none"> Warm-Up: Review Operations Order of Operations Task Cards
<ul style="list-style-type: none"> Day 19: Review Unit 1 	<ul style="list-style-type: none"> See Days 1-18 	<ul style="list-style-type: none"> Warm-Up: Review Study Guide Play Review Game for Quiz Study independently
<ul style="list-style-type: none"> Day 20-21: Assessing The Number System 	<ul style="list-style-type: none"> See Days 1-18 	<ul style="list-style-type: none"> Unit 1 Assessment on The Number System

Inclusive concepts

- Explain any character education effort where you are encouraging inclusivity and culture competency.

Unit Learning Goals

- Students will be able to use properties to simplify expressions
- Students will be able to add and subtract expressions
- Students will be able to write expressions using numbers and words
- Students will be able to distribute and factor expressions

Core Instructional Materials

- Textbook

Supplemental Materials

- Online Math Dictionary
- Math Antics Videos

Daily Targets	NJSLs Performance Expectations	Instructional Activities
<ul style="list-style-type: none"> Day 1: Introduce Expressions 	<ul style="list-style-type: none"> MA.7.EE 	<ul style="list-style-type: none"> Clean out binders and replace new notes Watch an introduction video to algebra Complete Unit 2 Vocabulary
<ul style="list-style-type: none"> Day 2: Understanding Properties and the Order of Operations 	<ul style="list-style-type: none"> MA.7.EE.A.2 	<ul style="list-style-type: none"> Warm-Up: Define the commutative and associative properties using your vocabulary Video on the properties Notes on Lesson 1 Properties and the Order of Operations Properties Independent Worksheet
<ul style="list-style-type: none"> Day 3: Understanding Properties and the Order of Operations 	<ul style="list-style-type: none"> MA.7.EE.A.1 	<ul style="list-style-type: none"> Warm-Up: Identify the property Finish Notes on Lesson 1 Order of Operations Order of Operations Practice Worksheet
<ul style="list-style-type: none"> Day 4: Understanding Properties and the Order of Operations 	<ul style="list-style-type: none"> MA.7.EE.A.1 	<ul style="list-style-type: none"> Warm-Up: Simplify the Expression Order of Operations Task Cards
<ul style="list-style-type: none"> Day 5: Understanding The Distributive Property 	<ul style="list-style-type: none"> MA.7.EE.B.4a 	<ul style="list-style-type: none"> Warm-Up: Order of Operations Problems Notes on Lesson 1 The Distributive Property Color by Answer with the Distributive Property
<ul style="list-style-type: none"> Day 6: Understanding Adding and Subtracting Expressions 	<ul style="list-style-type: none"> MA.7.EE.A.1 	<ul style="list-style-type: none"> Warm-Up: Order of Operation Practice Notes on Lesson 2 Adding and Subtracting Expressions Independent Practice Worksheet
<ul style="list-style-type: none"> Day 7: Understanding Adding and Subtracting Expressions 	<ul style="list-style-type: none"> MA.7.EE.A.1 	<ul style="list-style-type: none"> Warm-Up: Add or Subtract the two expressions Review Homework Together Add and Subtracting Expressions Linear Maze
<ul style="list-style-type: none"> Day 8: Understanding Factoring and Expanding 	<ul style="list-style-type: none"> MA.7.EE.B.4a 	<ul style="list-style-type: none"> Warm-Up: List factors of two numbers Notes on Lesson 3 Factoring and Expanding Factoring and Expanding Practice

		Worksheet
<ul style="list-style-type: none"> Day 9: Reviewing Properties and Expressions 	<ul style="list-style-type: none"> MA.7.EE.A.1 MA.7.EE.A.2 MA.7.EE.B.4a 	<ul style="list-style-type: none"> Warm-Up: Rewrite expressions Review Study Guide on Lessons 1-3 Quizizz Review
<ul style="list-style-type: none"> Day 10: Assessing Properties and Expressions 	<ul style="list-style-type: none"> MA.7.EE.A.1 MA.7.EE.A.2 MA.7.EE.B.4a 	<ul style="list-style-type: none"> Quiz on Lessons 1-3
<ul style="list-style-type: none"> Day 11: Understanding writing and evaluating expressions 	<ul style="list-style-type: none"> MA.7.EE.B.3 	<ul style="list-style-type: none"> Warm-Up: Expanding and Factoring expressions questions Notes on Lesson 4 Writing and Evaluating Expressions Evaluating Expressions Color by Answer
<ul style="list-style-type: none"> Day 12: Understanding writing and evaluating expressions 	<ul style="list-style-type: none"> MA.7.EE.B.3 	<ul style="list-style-type: none"> Warm-Up: Write the expression based off the word problem Finish Notes on Lesson 4 Writing and Evaluating Expressions Evaluating Expressions Practice worksheet
<ul style="list-style-type: none"> Day 13: Understanding writing and evaluating expressions 	<ul style="list-style-type: none"> MA.7.EE.B.3 	<ul style="list-style-type: none"> Warm-Up: Write the expression based off the word problem Evaluating Expressions Pixel Art
<ul style="list-style-type: none"> Day 14: Reviewing Factoring, Expanding, Writing and Evaluating Expressions 	<ul style="list-style-type: none"> MA.7.EE.B.3 MA.7.EE.B.4a 	<ul style="list-style-type: none"> Warm-Up: Question from lessons 3 and 4 Quizizz Review Game Study Independently
<ul style="list-style-type: none"> Day 15: Reviewing Factoring, Expanding, Writing and Evaluating Expressions 	<ul style="list-style-type: none"> MA.7.EE.B.3 MA.7.EE.B.4a 	<ul style="list-style-type: none"> Quiz on Lessons 3-4
<ul style="list-style-type: none"> Days 16-17: Reviewing Unit 2 	<ul style="list-style-type: none"> See Days 1-15 	<ul style="list-style-type: none"> Warm-Up: Review Study Guide Together Unit 2 Task Cards Unit 2 Board Races Study Independently
<ul style="list-style-type: none"> Days 18-19 Assessing Unit 2 	<ul style="list-style-type: none"> See Days 1-15 	<ul style="list-style-type: none"> Assessment on Unit 2 Expressions

Inclusive concepts

- Explain any character education effort where you are encouraging inclusivity and culture competency.

Unit Learning Goals

- Students will be able to use properties to simplify expressions
- Students will be able to add and subtract expressions
- Students will be able to write expressions using numbers and words
- Students will be able to distribute and factor expressions

Core Instructional Materials	Supplemental Materials
<ul style="list-style-type: none"> • Textbook 	<ul style="list-style-type: none"> • Online Math Dictionary • Math Antics Videos

Daily Targets	NJSLS Performance Expectations	Instructional Activities
<ul style="list-style-type: none"> • Day 1: Introduce Equations and Inequalities 	<ul style="list-style-type: none"> • MA.7.EE.B 	<ul style="list-style-type: none"> • Warm-Up: Corrections on Unit 2 Test • Add Chapter 3 Notes to binder • Watch Video on solving basic equations • Complete Unit 3 Vocabulary and Crossword Puzzle
<ul style="list-style-type: none"> • Day 2: Understanding how to Write Equations 	<ul style="list-style-type: none"> • MA.7.EE.B.3 • MA.7.EE.B.4a 	<ul style="list-style-type: none"> • Warm-Up: Write numerical expression given the expression in word form • Notes on Lesson 1 Writing Equations • Guided Practice Worksheet • Independent Practice Worksheet
<ul style="list-style-type: none"> • Day 3: Understanding how to Write Equations 	<ul style="list-style-type: none"> • MA.7.EE.B.3 • MA.7.EE.B.4a 	<ul style="list-style-type: none"> • Warm-Up: Practice writing equations • Cut and Paste Writing Equations Activity • Color by answer writing equations activity
<ul style="list-style-type: none"> • Day 4: Understanding how to Solve Equations 	<ul style="list-style-type: none"> • MA.7.EE.B.4a 	<ul style="list-style-type: none"> • Warm-Up: Write the inequality from the word problem • Notes on Lesson 2 Solving Equations • Solving Equations Practice Worksheet

<ul style="list-style-type: none"> Day 5: Understanding how to Solve Equations 	<ul style="list-style-type: none"> MA.7.EE.B.4a 	<ul style="list-style-type: none"> Warm-Up: Solve the equations Complete graphic organizer on solving equations Solving Equations color by answer
<ul style="list-style-type: none"> Day 6: Understanding how to Solve Equations 	<ul style="list-style-type: none"> MA.7.EE.B.4a 	<ul style="list-style-type: none"> Warm-Up: Solve the equations word problems Solving Equations Scavenger Hunt Independent Practice Worksheet
<ul style="list-style-type: none"> Day 7: Understanding how to Solve Equations 	<ul style="list-style-type: none"> MA.7.EE.B.4a 	<ul style="list-style-type: none"> Warm-Up: Solve the equations word problems Solving Equations Pixel Art Activity
<ul style="list-style-type: none"> Day 8: Reviewing how to Solve Equations 	<ul style="list-style-type: none"> MA.7.EE.B.4a MA.7.EE.B.3 	<ul style="list-style-type: none"> Warm-Up: Write and Solve the equation from a word problem Quizizz Review Game Study Independently
<ul style="list-style-type: none"> Day 9: Assessing how to Solve Equations 	<ul style="list-style-type: none"> MA.7.EE.B.4a MA.7.EE.B.3 	<ul style="list-style-type: none"> Lesson 1-2 Quiz
<ul style="list-style-type: none"> Day 10: Understanding how to solve inequalities 	<ul style="list-style-type: none"> MA.7.EE.B.4b 	<ul style="list-style-type: none"> Warm-Up: Use $<$, $>$, $=$ to complete the inequality Start Notes on Lesson 3 Writing Inequalities
<ul style="list-style-type: none"> Day 11: Understanding how to solve inequalities 	<ul style="list-style-type: none"> MA.7.EE.B.4b 	<ul style="list-style-type: none"> Warm-Up: Write the inequality from the description Finish Notes on Lesson 3 Writing Inequalities Independent Practice Worksheet
<ul style="list-style-type: none"> Day 12: Understanding how to solve inequalities 	<ul style="list-style-type: none"> MA.7.EE.B.4b 	<ul style="list-style-type: none"> Warm-Up: Write the inequalities graphed on the number line Notes on Lesson 4 Solving Inequalities Independent Practice Worksheet
<ul style="list-style-type: none"> Day 13: Understanding how to solve inequalities 	<ul style="list-style-type: none"> MA.7.EE.B.4b 	<ul style="list-style-type: none"> Warm-Up: Solve the inequalities given Solving Inequalities Task Cards
<ul style="list-style-type: none"> Day 14: Understanding how to solve inequalities 	<ul style="list-style-type: none"> MA.7.EE.B.4b 	<ul style="list-style-type: none"> Warm-Up: Solve and Graph the Inequalities Independent Practice Self Checking Worksheet More Practice Worksheets

<ul style="list-style-type: none"> Day 15 Reviewing How to Solve Inequalities 	<ul style="list-style-type: none"> MA.7.EE.B.4b 	<ul style="list-style-type: none"> Warm-Up: Review Study Guide Together Quizizz Review on Inequalities
<ul style="list-style-type: none"> Day 16 Assessing Solving Inequalities 	<ul style="list-style-type: none"> MA.7.EE.B.4b 	<ul style="list-style-type: none"> Assessment on Lessons 3-4
<ul style="list-style-type: none"> Days 17-18 	<ul style="list-style-type: none"> See Days 1-16 	<ul style="list-style-type: none"> Warm-Up: Questions from Lessons 1-4 Board Races to Review Complete Unit 3 Study Guide Together
<ul style="list-style-type: none"> Days 19-20 	<ul style="list-style-type: none"> See Days 1-16 	<ul style="list-style-type: none"> Unit 3 Assessment

Inclusive concepts

- Explain any character education effort where you are encouraging inclusivity and culture competency.

Unit Learning Goals

- Students will be able to understand and graph proportional relationships
- Students will be able to Solve Problems using proportions
- Students will be able to Solve Unit Rates
- Students will be able to identify and use percents in real-world problems
- Students will be able to solve problems involving interest, tax or tip

Core Instructional Materials

- Textbook

Supplemental Materials

- Online Math Dictionary
- Math Antics Videos

Daily Targets

- Day 1: Introduce Unit 4

NJSLS Performance Expectations

- MA.7.RP**

Instructional Activities

- Clean out binder and insert Unit 4 Notes
- Watch Video on Proportional Relationships
- Complete Unit 4 Vocabulary and Crossword Puzzle

<ul style="list-style-type: none"> Day 2: Understanding Proportional Relationships 	<ul style="list-style-type: none"> MA.7.RP.A.2a MA.7.RP.A.2b 	<ul style="list-style-type: none"> Warm-Up: Solve Equations Notes on Lesson 1 Proportional Relationships Proportional Relationships Practice Worksheet
<ul style="list-style-type: none"> Day 3: Understanding Proportional Relationships 	<ul style="list-style-type: none"> MA.7.RP.A.2a MA.7.RP.A.2b MA.7.RP.A.2d 	<ul style="list-style-type: none"> Warm-Up: Use Proportions to solve the word problem Finish Notes on Lesson 1 Proportional Relationships Is the relationship proportional? Worksheet
<ul style="list-style-type: none"> Day 4: Understanding Unit Rates 	<ul style="list-style-type: none"> MA.7.RP.A.1 MA.7.RP.A.2b MA.7.RP.A.2c 	<ul style="list-style-type: none"> Warm-Up: Solve the proportional relationship Notes on Lesson 2 Unit Rates Find the Unit Rate Activity
<ul style="list-style-type: none"> Day 5: Understanding Unit Rates 	<ul style="list-style-type: none"> MA.7.RP.A.1 MA.7.RP.A.2b MA.7.RP.A.2c 	<ul style="list-style-type: none"> Warm-Up: Find the Unit Rate Finish Notes on Lesson 2 Unit Rates Unit Rate Matching Activity
<ul style="list-style-type: none"> Day 6: Assessing Proportional Relationships 	<ul style="list-style-type: none"> MA.7.RP.A.1 MA.7.RP.A.2b MA.7.RP.A.2c 	<ul style="list-style-type: none"> Quick Quiz on Lessons 1-2
<ul style="list-style-type: none"> Day 7: Understanding Sales Tax, Discount, and Tip 	<ul style="list-style-type: none"> MA.7.RP.A.3 	<ul style="list-style-type: none"> Warm-Up: Find the Unit Rate Notes on Lesson 3 Sales Tax, Tip and Discount Find the tax or discount worksheet
<ul style="list-style-type: none"> Day 8-9: Understanding Sales Tax, Discount, and Tip 	<ul style="list-style-type: none"> MA.7.RP.A.3 	<ul style="list-style-type: none"> Warm-Up: Sales Tax Word Problems Daisy's Donut Tax and Tip Assignment
<ul style="list-style-type: none"> Day 10: Understanding Percent Change 	<ul style="list-style-type: none"> MA.7.RP.A.3 	<ul style="list-style-type: none"> Warm-Up: Discount Word Problems Notes on Lesson 4 Percent Change Color by Solution Percent Change Worksheet
<ul style="list-style-type: none"> Day 11: Understanding Simple Interest 	<ul style="list-style-type: none"> MA.7.RP.A.3 	<ul style="list-style-type: none"> Warm-Up: Percent Change Word Problems Finish Notes on Lesson 4 Simple Interest Simple Interest Word Problem Worksheet
<ul style="list-style-type: none"> Day 12: Understanding Simple Interest 	<ul style="list-style-type: none"> MA.7.RP.A.3 	<ul style="list-style-type: none"> Warm-Up: Interest Questions Simple Interest Task Cards

<ul style="list-style-type: none"> Day 13: Understanding Scale Drawings 	<ul style="list-style-type: none"> MA.7.G.A.1 	<ul style="list-style-type: none"> Warm-Up: Simple Interest Question Notes on Lesson 5 Scale Drawing Scale Drawing Practice Worksheet
<ul style="list-style-type: none"> Day 14: Understanding Scale Drawings 	<ul style="list-style-type: none"> MA.7.G.A.1 	<ul style="list-style-type: none"> Warm-Up: Scale Practice Scale Practice Worksheet
<ul style="list-style-type: none"> Day 15: Reviewing Sales Tax, Simple Interest, and Scale Drawings 	<ul style="list-style-type: none"> MA.7.G.A.1 MA.7.RP.A.3 	<ul style="list-style-type: none"> Warm-Up: Questions from lessons 3-5 Quizizz Game Review Study Independently
<ul style="list-style-type: none"> Day 16: Assessing Sales Tax, Simple Interest, and Scale Drawings 	<ul style="list-style-type: none"> MA.7.G.A.1 MA.7.RP.A.3 	<ul style="list-style-type: none"> Quiz on Lessons 3-5
<ul style="list-style-type: none"> Day 17-18: Reviewing Unit 4 	<ul style="list-style-type: none"> See Days 1-16 	<ul style="list-style-type: none"> Warm-Up: Study Guide for Unit 4 Unit 4 Task Cards Unit 4 Board Races Review Game
<ul style="list-style-type: none"> Day 19-20 Assessing Unit 4 	<ul style="list-style-type: none"> See Days 1-16 	<ul style="list-style-type: none"> Assessment on Unit 4 Ratios, Rates, and Percents

Inclusive concepts

- Explain any character education effort where you are encouraging inclusivity and culture competency.

Unit Learning Goals

- Students will be able to draw and measure angles
- Students will be able to recognize and utilize angle relationships
- Students will be able to find circumference and area of circles
- Students will be able to find surface area and volume of prisms

Core Instructional Materials

- Textbook

Supplemental Materials

- Online Math Dictionary
- Math Antics Videos

Daily Targets	NJSL Performance Expectations	Instructional Activities
<ul style="list-style-type: none"> Day 1: Introduce Unit 5 	<ul style="list-style-type: none"> MA.7.G 	<ul style="list-style-type: none"> Complete Corrections on Unit 4 Test Clean Out Binders, Input Unit 5 Watch Video on Angle Relationships Complete Unit 5 Vocabulary and Crossword Puzzle
<ul style="list-style-type: none"> Day 2: Understanding Angle Measurements 	<ul style="list-style-type: none"> MA.7.G.A.2 	<ul style="list-style-type: none"> Warm-Up: Solving Simple Equations Guided Notes on Lesson 1, Protractors Worksheet on Measuring Angles
<ul style="list-style-type: none"> Day 3: Understanding Angle Measurements 	<ul style="list-style-type: none"> MA.7.G.A.2 	<ul style="list-style-type: none"> Warm-Up: Uses Technology to draw angles Riddle on Angle Measurements
<ul style="list-style-type: none"> Day 4: Understanding Angle Measurements 	<ul style="list-style-type: none"> MA.7.G.B.5 	<ul style="list-style-type: none"> Warm-Up: Review Homework Continue Guided Notes on Lesson 1 Angle and Unknown Measurements Riddle worksheet on finding measurements
<ul style="list-style-type: none"> Day 5: Understanding Angle Relationships 	<ul style="list-style-type: none"> MA.7.G.A.1 MA.7.G.B.5 	<ul style="list-style-type: none"> Warm-Up: Find the Measurements of the Quadrilateral Start Notes on Lesson 2: Angle Relationships
<ul style="list-style-type: none"> Day 6: Understanding Angle Relationships 	<ul style="list-style-type: none"> MA.7.G.A.1 MA.7.G.B.5 	<ul style="list-style-type: none"> Warm-Up: Find the missing measurement using the angle relationship Finish Notes on Lesson 2 Angle relationships Guided Practice Angle Worksheet
<ul style="list-style-type: none"> Day 7: Understanding Angle Relationships 	<ul style="list-style-type: none"> MA.7.G.A.1 MA.7.G.B.5 	<ul style="list-style-type: none"> Warm-Up: Find the missing measurement using the angle relationship Independent Practice Digital Scavenger Hunt on Angle Relationships
<ul style="list-style-type: none"> Day 8: Understanding Triangles 	<ul style="list-style-type: none"> MA.7.G.A.2 	<ul style="list-style-type: none"> Warm-Up: Use Equations to Find Missing Angle Measurement from a Triangle Guided Notes on Lesson 3 Constructing Triangles
<ul style="list-style-type: none"> Day 9: Understanding Triangles 	<ul style="list-style-type: none"> MA.7.G.A.2 	<ul style="list-style-type: none"> Warm-Up: Use the Angle Relationships to find Missing Measurements Drawing Triangles Guided Practice

		<ul style="list-style-type: none"> Measures of Triangles Riddle Worksheet
<ul style="list-style-type: none"> Day 10: Reviewing Angles and Triangles 	<ul style="list-style-type: none"> MA.7.G.A.1 MA.7.G.A.2 MA.7.G.B.5 	<ul style="list-style-type: none"> Warm-Up: Find the Missing Angle Measurements Review Study Guide for Quiz Quizizz Game Review Study independently
<ul style="list-style-type: none"> Day 11: Assessing Angles and Triangles 	<ul style="list-style-type: none"> MA.7.G.A.1 MA.7.G.A.2 MA.7.G.B.5 	<ul style="list-style-type: none"> Quiz on Lessons 1-3
<ul style="list-style-type: none"> Day 12: Understanding Circles 	<ul style="list-style-type: none"> MA.7.G.B.4 	<ul style="list-style-type: none"> Warm-Up: Spiral Review Questions Watch Introduction Video on Circles, Circumference and Area Start Notes on Lesson 4 Area and Circumference
<ul style="list-style-type: none"> Day 13: Understanding Circles 	<ul style="list-style-type: none"> MA.7.G.B.4 	<ul style="list-style-type: none"> Warm-Up: Find the Area of the Shapes Finish Notes on Lesson 4 Area and Circumference Area and Circumference Riddle Worksheet
<ul style="list-style-type: none"> Day 14: Understanding Circles 	<ul style="list-style-type: none"> MA.7.G.B.4 	<ul style="list-style-type: none"> Warm-Up: Find the Area and Circumference of a Circle given the diameter Area and Circumference Pixel Art Activity Color by Answer Worksheet when finished
<ul style="list-style-type: none"> Day 15: Understanding Circles 	<ul style="list-style-type: none"> MA.7.G.B.4 	<ul style="list-style-type: none"> Warm-Up: Find the Area and Circumference Area and Circumference Scavenger Hunt
<ul style="list-style-type: none"> Day 16: Understanding Cross Sections 	<ul style="list-style-type: none"> MA.7.G.A.3 	<ul style="list-style-type: none"> Warm-Up: Find the Area of the Shaded Region Notes on Lesson 5 Cross Sections Cross Sections Independent Practice Worksheet
<ul style="list-style-type: none"> Day 17: Understanding Cross Sections 	<ul style="list-style-type: none"> MA.7.G.A.3 	<ul style="list-style-type: none"> Warm-Up: Identify The Cross Section Cross Section Color by Solution
<ul style="list-style-type: none"> Day 18: Reviewing Circles and Cross Sections 	<ul style="list-style-type: none"> MA.7.G.A.3 MA.7.G.B.4 	<ul style="list-style-type: none"> Warm-Up: Circle and Cross Section Questions Review What will be on the Quiz Quizizz Review Game

		<ul style="list-style-type: none"> • Study Independently
<ul style="list-style-type: none"> • Day 19: Assessing Circles and Cross Sections 	<ul style="list-style-type: none"> • MA.7.G.A.3 • MA.7.G.B.4 	<ul style="list-style-type: none"> • Quiz on Lessons 4-5
<ul style="list-style-type: none"> • Day 20: Understanding Area of Composite Figures 	<ul style="list-style-type: none"> • MA.7.G.B.6 	<ul style="list-style-type: none"> • Warm-Up: Find the Circumference • Guided Notes on Lesson 5 Area of Composite Figures • Start Independent Practice Worksheet on Composite Figures
<ul style="list-style-type: none"> • Day 21: Understanding Area of Composite Figures 	<ul style="list-style-type: none"> • MA.7.G.B.6 	<ul style="list-style-type: none"> • Warm-Up: Find the Circumference • Guided Notes on Lesson 5 Area of Composite Figures • Start Independent Practice Worksheet on Composite Figures
<ul style="list-style-type: none"> • Day 22: Understanding Area of Composite Figures 	<ul style="list-style-type: none"> • MA.7.G.B.6 	<ul style="list-style-type: none"> • Warm-Up: Find the Area of the Composite Figures • Complete Color by Solution on Area of Composite Figures
<ul style="list-style-type: none"> • Day 23: Understanding Area of Composite Figures 	<ul style="list-style-type: none"> • MA.7.G.B.6 	<ul style="list-style-type: none"> • Warm-Up: Find the Area of the Composite Figures • Complete Color by Solution on Area of Composite Figures
<ul style="list-style-type: none"> • Day 24: Understanding Surface Area of Prisms 	<ul style="list-style-type: none"> • MA.7.G.B.6 	<ul style="list-style-type: none"> • Warm-Up: Find the Area of the Shaded Region • Guided Notes on Lesson 6 Surface Area of Prisms
<ul style="list-style-type: none"> • Day 25: Understanding Surface Area of Prisms 	<ul style="list-style-type: none"> • MA.7.G.B.6 	<ul style="list-style-type: none"> • Warm-Up: Find the Surface Area of Prisms • Finish Guided Notes on Lesson 6 Surface Area of Prisms • Surface Area Practice Worksheet
<ul style="list-style-type: none"> • Day 26: Understanding Volume of Prisms 	<ul style="list-style-type: none"> • MA.7.G.B.6 	<ul style="list-style-type: none"> • Warm-Up: Find the Surface Area of Prisms • Notes on Lesson 7 Volume of Prisms • Solving Volume Problems Worksheet
<ul style="list-style-type: none"> • Day 27: Understanding Volume of Prisms 	<ul style="list-style-type: none"> • MA.7.G.B.6 	<ul style="list-style-type: none"> • Warm-Up: Find the Surface Area of Prisms • Finish Guided Notes on Lesson 7 Volume of Prisms • Volume Riddle Worksheet

<ul style="list-style-type: none"> Day 28: Reviewing Area and Volume 	<ul style="list-style-type: none"> MA.7.G.B.6 	<ul style="list-style-type: none"> Warm-Up: Find the Surface Area of Prisms Review Worksheet on Lessons 5-7
<ul style="list-style-type: none"> Day 29: Reviewing Area and Volume 	<ul style="list-style-type: none"> MA.7.G.B.6 	<ul style="list-style-type: none"> Warm-Up: Review Questions from All Sections Quizizz Review Study Independently
<ul style="list-style-type: none"> Day 30: Assessing Area and Volume 	<ul style="list-style-type: none"> MA.7.G.B.6 	<ul style="list-style-type: none"> Quiz on Lessons 5-7
<ul style="list-style-type: none"> Day 31-32: Reviewing Geometry Unit 	<p>See Days 1-30</p>	<ul style="list-style-type: none"> Board Races Review Game Study Guide on Unit 5
<ul style="list-style-type: none"> Day 33-34: Assessing Geometry Unit 	<p>See Days 1-30</p>	<ul style="list-style-type: none"> Unit 5 Geometry Test

Inclusive concepts

- Explain any character education effort where you are encouraging inclusivity and culture competency.

Unit Learning Goals

- Students will be able to determine theoretical and experimental probabilities from situations
- Students will be able to determine probability of compound events
- Students will be able to make predictions using theoretical and experimental probability
- Students will be able to create simulations to find experimental probability

Core Instructional Materials

- Textbook

Supplemental Materials

- Online Math Dictionary
- Math Antics Videos

Daily Targets

- Day 1: Probability Unit Introduction

NJSLS Performance Expectations

- MA.7.SP.C.5**

Instructional Activities

- Warm-Up: Review and Correct Unit 5 Tests

		<ul style="list-style-type: none"> • Clean out Binders and Introduce Unit 6 Notes • Watch Video on Probability • Unit 6 Vocabulary and Crossword
<ul style="list-style-type: none"> • Day 2: Understanding Probability 	<ul style="list-style-type: none"> • MA.7.SP.C.5 • MA.7.SP.C.6 	<ul style="list-style-type: none"> • Warm-Up: Spiral Review • Guided Notes on Lesson 1 Probability • Probability Independent Practice Worksheet
<ul style="list-style-type: none"> • Day 3: Understanding Experimental Probability 	<ul style="list-style-type: none"> • MA.7.SP.C.7b 	<ul style="list-style-type: none"> • Warm-Up: Find the Probability • Review Homework Together • Notes on Lesson 2 Experimental Probability • Probability Practice Page 20
<ul style="list-style-type: none"> • Day 4: Understanding Experimental Probability 	<ul style="list-style-type: none"> • MA.7.SP.C.6 • MA.7.SP.C.7a 	<ul style="list-style-type: none"> • Warm-Up: Use the frequency table to find probabilities • Riddles on Experimental Probability • Experimental Probability Activitiy
<ul style="list-style-type: none"> • Day 5: Understanding Experimental Probability 	<ul style="list-style-type: none"> • MA.7.SP.C.6 	<ul style="list-style-type: none"> • Warm-Up: Find the probability based off the simulation • Experimental Probability Pixel Art Activity
<ul style="list-style-type: none"> • Day 6: Understanding Experimental Probability of Compound Events 	<ul style="list-style-type: none"> • MA.7.SP.C.8a • MA.7.SP.C.8b 	<ul style="list-style-type: none"> • Warm-Up: Experimental Probability Question • Guided Notes on Lesson 3 Experimental Probability of Compound Events • Probability Guided Practice Worksheet
<ul style="list-style-type: none"> • Day 7: Understanding Experimental Probability of Compound Events 	<ul style="list-style-type: none"> • MA.7.SP.C.8c 	<ul style="list-style-type: none"> • Warm-Up: Experimental Probability Question • Review Homework Together • Compound Probability Worksheet
<ul style="list-style-type: none"> • Day 8-9: Reviewing Experimental Probability 	<ul style="list-style-type: none"> • MA.7.SP.C.5 • MA.7.SP.C.6 • MA.7.SP.C.7 	<ul style="list-style-type: none"> • Warm-Up: Question from Each Lesson • Module Review and Assessment review Worksheet • Review Together • Review Study Guide • Quizizz Review
<ul style="list-style-type: none"> • Day 10: Assessing Experimental Probability 	<ul style="list-style-type: none"> • MA.7.SP.C.5 • MA.7.SP.C.6 • MA.7.SP.C.7 	<ul style="list-style-type: none"> • Quiz on Lessons 1-3

<ul style="list-style-type: none"> Day 11: Understanding Theoretical Probability 	<ul style="list-style-type: none"> MA.7.SP.C.5 MA.7.SP.C.6 MA.7.SP.C.7 	<ul style="list-style-type: none"> Warm-Up: Review Quiz and Correct Watch Video on Theoretical Probability Guided Notes on Lesson 4 Theoretical Probability
<ul style="list-style-type: none"> Day 12: Understanding Theoretical Probability 	<ul style="list-style-type: none"> MA.7.SP.C.7 	<ul style="list-style-type: none"> Warm-Up: Theoretical Probability Question Theoretical Probability Activity Review Activity Together
<ul style="list-style-type: none"> Day 13: Understanding Theoretical Probability of Compound Events 	<ul style="list-style-type: none"> MA.7.SP.C.8 	<ul style="list-style-type: none"> Warm-Up: Find the Probability of a Spinner Guided Notes on Lesson 5 Theoretical Probability of Compound Events Guided Practice Worksheet
<ul style="list-style-type: none"> Day 14: Understanding Theoretical Probability of Compound Events 	<ul style="list-style-type: none"> MA.7.SP.C.8 	<ul style="list-style-type: none"> Warm-Up: Compound Probability Word Problems Compound Probability Color by Answer Compound Probability Practice Worksheet
<ul style="list-style-type: none"> Day 15: Understanding How to Make Predictions Using Theoretical Probability 	<ul style="list-style-type: none"> MA.7.SP.C.5 MA.7.SP.C.6 	<ul style="list-style-type: none"> Warm-Up: Compound Probability Word Problem Guided Notes on Lesson 6 Making Predictions Using Theoretical Probability
<ul style="list-style-type: none"> Day 16: Understanding How to Make Predictions Using Theoretical Probability 	<ul style="list-style-type: none"> MA.7.SP.C.5 MA.7.SP.C.6 	<ul style="list-style-type: none"> Warm-Up: Make Predictions Using Probability Making Predictions Packet <ul style="list-style-type: none"> One Page Together Finish Independently
<ul style="list-style-type: none"> Day 17-18: Reviewing Theoretical Probability 	<ul style="list-style-type: none"> MA.7.SP.C.5 MA.7.SP.C.6 MA.7.SP.C.7 MA.7.SP.C.8 	<ul style="list-style-type: none"> Warm-Up: Questions from Each Section Probability Study Guide Quizizz Review Study Independently
<ul style="list-style-type: none"> Day 19: Assessing Theoretical Probability 	<ul style="list-style-type: none"> MA.7.SP.C.5 MA.7.SP.C.6 MA.7.SP.C.7 MA.7.SP.C.8 	<ul style="list-style-type: none"> Quiz on Lessons 4-6
<ul style="list-style-type: none"> Day 20-21: Reviewing Probability Unit 	<ul style="list-style-type: none"> MA.7.SP.C.5 MA.7.SP.C.6 MA.7.SP.C.7 MA.7.SP.C.8 	<ul style="list-style-type: none"> Review Quizzes Together Board Races Game to Review for Test
<ul style="list-style-type: none"> Day 22-23 	<ul style="list-style-type: none"> MA.7.SP.C.5 	<ul style="list-style-type: none"> Unit 6 Probability Assessment

	<ul style="list-style-type: none"> • MA.7.SP.C.6 • MA.7.SP.C.7 • MA.7.SP.C.8 	
--	---------------------------------------------------------------------------------------------------------------	--

Inclusive concepts

- Explain any character education effort where you are encouraging inclusivity and culture competency.

Unit Learning Goals

- Students will be able to determine theoretical and experimental probabilities from situations
- Students will be able to determine probability of compound events
- Students will be able to make predictions using theoretical and experimental probability
- Students will be able to create simulations to find experimental probability

Core Instructional Materials

- Textbook

Supplemental Materials

- Online Math Dictionary
- Math Antics Videos

Daily Targets

NJSLS Performance Expectations

Instructional Activities

Daily Targets	NJSLS Performance Expectations	Instructional Activities
<ul style="list-style-type: none"> • Day 1: Statistics Unit Introduction 	<ul style="list-style-type: none"> • MA.7.SP.A.1 • MA.7.SP.A.2 	<ul style="list-style-type: none"> • Warm-Up: Review Probability Tests • Vocabulary Unit 7 • What is Statistics? Video
<ul style="list-style-type: none"> • Day 2: Understanding Random Samples and Populations 	<ul style="list-style-type: none"> • MA.7.SP.A.1 • MA.7.SP.A.2 	<ul style="list-style-type: none"> • Warm-Up: Spiral Review Questions • Guided Notes on Lesson 1 Random Samples and Populations
<ul style="list-style-type: none"> • Day 3: Understanding Random Samples and Populations 	<ul style="list-style-type: none"> • MA.7.SP.B.3 	<ul style="list-style-type: none"> • Warm-Up: Is this a statistical question? • Guided Notes on Lesson 2 Making Inferences from a Random Sample • Guided Practice Worksheet

<ul style="list-style-type: none"> Day 4: Understanding Random Samples and Populations 	<ul style="list-style-type: none"> MA.7.SP.B.4 	<ul style="list-style-type: none"> Warm-Up: Is the question biased? Guided Notes on Lesson 3 Dot Plots and Box and Whisker Plots Independent Practice on Dot Plots
<ul style="list-style-type: none"> Day 5-6: Reviewing Random Samples and Populations 	<ul style="list-style-type: none"> MA.7.SP.A.1 MA.7.SP.A.2 MA.7.SP.B.3 MA.7.SP.B.4 	<ul style="list-style-type: none"> Warm-Up: Review Practice Together Quizizz Review Study Independently
<ul style="list-style-type: none"> Day 7-8: Assessing Random Samples and Populations 	<ul style="list-style-type: none"> MA.7.SP.A.1 MA.7.SP.A.2 MA.7.SP.B.3 MA.7.SP.B.4 	<ul style="list-style-type: none"> Assessment on Random Samples and Populations

Inclusive concepts

- Explain any character education effort where you are encouraging inclusivity and culture competency.