Honors Math 5 Pacing Guide

First Trimester

Topic	Number of days	Standard(s)	"I CAN . . ."
Place Value	12	Understand the place value system. 5.NBT.1, 5.NBT.3	• Find the value of digits using a place value chart. • Use place value to compare decimals. • Write decimals in expanded and word forms. • Represent fractions with base ten denominators as decimals.
Multiply Whole Numbers and Working with Exponents	12	Prime factorization, exponents, multiply multi-digit whole number. 5.NBT.1, 5.NBT. 5 6.EE.1	• Find the prime factorization of a number, written with and without exponents. • Use patterns to multiply a number by a power of 10. • Estimate products by using rounding and compatible numbers. • Multiply multi-digit whole numbers.
Divide Whole Numbers - Long Division	12	Dividing whole numbers with remainders written as fractions. 5.NBT.6 6.NS.2	• Find the quotient of a division problem using long division. • Interpret a remainder and write it as a fraction. • Estimate quotients using rounding and compatible numbers. • Divide multi-digit whole numbers.
Add and Subtract Decimals	12	Round decimals, estimate sums and differences by rounding, explore adding and subtracting decimals using models, add and subtract decimals. 5.NBT.7 6.NS.3	• Round decimals to the thousandths place. • Estimate the final answer when adding or subtracting decimals by rounding each decimal in the problem. • Use models to add and subtract decimals. • Add and subtract decimals to the thousandths place.

Second Trimester

Topic	Number of days	Standard(s)	"I CAN . . ."
Multiply and Divide Decimals.	14	Estimate products and quotients by rounding, explore multiplying and dividing decimals using models, multiply and divide decimals by whole number, decimals, and powers of ten. 5.NBT.7 6.NS.3	• Estimate the final answer when multiplying or dividing decimals by rounding each decimal in the problem. • Use models to multiply and divide decimals. • Multiply and divide decimals to the thousandths place.
Expressions and Patterns	14	Order of Operations, numerical patterns and pattern relationships, identify and extend patterns and sequences, graph ordered pairs on the coordinate plan. 5.OA.2, 5.OA.3, 5.G1, 5.G.3 6.EE.1, 6.G.3	• Use the order of operations to simplify expressions. • Write verbal phrases as mathematical expressions. • Use addition and subtraction to describe and extent a number pattern • Name ordered pairs for points on the coordinate plane. • Graph ordered pairs on the coordinate plane. • Compare numerical patterns graphically.
Fractions and Decimals	12	Use fractions to model and solve division problems, greatest common factor (GCF) and least common multiple (LCM), equivalent fractions, compare fractions, write fractions as decimals. 5.NF.3 6.NS.4	• Use a fraction to represent division. • Write a fraction in simplest form. • Compare fractions with unlike denominators. • Write fractions as decimals
Add and Subtract Fractions	16 (continues into 3rd trimester)	Use number sense and benchmark fractions to estimate sums and differences, add and subtract fractions with like and unlike denominators, add and subtract mixed numbers. 5.NF.1 6.NS.4	• Use number lines and benchmark fractions to round fractions. • Add and subtract fractions with like denominators. • Add and subtract fractions with unlike denominators. • Solve word problems involving fraction addition and subtraction. • Subtract mixed numbers using improper fractions or renaming.

Third Trimester			

Topic	Number of days	Standard(s)	"I CAN . . ."
Multiply and Divide Fractions	16	Estimate products and quotients of fractions using compatible numbers and rounding, explore multiplying and dividing fractions using models, multiply and divide fractions by whole number, fractions, and mixed numbers. 5.NF.4, 5.NF.7 6.NS.1, 6.NS.4	• Use models to multiply and divide fractions and mixed numbers. • Multiply and divide fractions and mixed numbers. • Simplify before or after multiplying fractions and mixed numbers. • Solve word problems involving fractions and mixed numbers. • Divide a fraction or a mixed number by a fraction or mixed number.
Measure-ment The Customary System and the Metric System	16	Measure length to the nearest quarter inch and nearest millimeter, convert units of measure within either the customary system or metric system, estimate the weight or mass of objects, represent data on a line plot. 5.MD.1, 5.MD.2	• Convert length, weight, mass, and capacity within either the Customary System or the Metric System. • Use a line plot to represent measurement data.
Geometry	16	Classify two-dimensional figures based on properties, measure the sides and angels of triangles and quadrilaterals, classify triangles and quadrilaterals, use volume formulas to find the volume of rectangular prisms. 5.G.1, 5.G.3, 5.MD.4, 5.MD.5 6.G.1, 6.G.2	• Classify triangles and polygons. • Classify quadrilaterals. • Use attributes to describe two-dimensional figures. • Find the volume of rectangular prisms.

Please note
- With each chapter, student understanding will be monitored by homework and graded work (quizzes and open note graded assignments). A chapter test or project will be given after the completion of each chapter or possibly a combination of chapters.
- The number of days per chapter is strictly a guideline and will be adjusted as students master or struggle with the topics being taught.
- Sixth grade standards are included throughout Honors Math 5.
- Each chapter includes a "Problem Solving Investigation" lesson, which introduces a problem-solving strategy. These lessons may not relate directly to the topics in the chapter, however, each strategy will be included in homework and graded work for the chapter in which it is found.