

Section	Outcomes	Modifications	Resources
1-1 Comparing and Ordering Whole Numbers	N.ME.06.05 Order rational numbers and place them on the number line.	Leveled work	Base-ten blocks
1-2 Estimating with Whole Numbers	N.FL.06.14 For applied situations, estimate the answers to calculations involving operations with rational numbers. N.FL.05.16 Divide numbers by 10's, 100's, 1,000's using mental strategies.	Leveled work	
1-3 Exponents	N.ME.06.16 Understand and use integer exponents, excluding powers of negative bases; express numbers in scientific notation.	Leveled work Technology Lab	Graphing calculators
1-4 Order of Operations	N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently. N.FL.05.05 Solve applied problems involving multiplication and division of whole numbers.	Leveled work Technology Lab	Graphing calculators
1-5 Mental Math	N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently. N.FL.05.05 Solve applied problems involving multiplication and division of whole numbers.	Leveled work	
1-6 Problem Solving: Choose method of computation	N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently. N.FL.05.05 Solve applied problems involving multiplication and division of whole numbers.	Leveled work	Tape measure
1-7 Patterns and Sequences	N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently.	Leveled work Technology Lab	Excel Spreadsheet Algebra tiles

Section	Outcomes	Modifications	Resources
2-1 Variables and Expressions	A.FO.06.03 Use letters, with units, to represent quantities in a variety of contexts; A.FO.06.04 Distinguish between an algebraic expression and an equation; A.FO.06.05 Use standard conventions for writing algebraic expressions; A.FO.06.07 Simplify expressions of the first degree by combining like terms, and evaluate using specific values.	Leveled work	Graphing calculator
2-2 Problem Solving: Translate Between Words and Math	A.FO.06.03 Use letters, with units, to represent quantities in a variety of contexts; A.FO.06.05 Use standard conventions for writing algebraic expressions; A.FO.06.06 Represent information given in words using algebraic expressions and equations. N.MR.05.03 Write mathematical statements involving division for given situations.	Leveled work	
2-3 Translating Between Tables and Expressions	A.FO.06.05 Use standard conventions for writing algebraic expressions.	Leveled work	
2-4 Equations and their Solutions	A.FO.06.04 Distinguish between an algebraic expression and an equation; A.FO.06.06 Represent information given in words using algebraic expressions and equations.	Leveled work	

2-5 Addition Equations	A.FO.06.06 Represent information given in words using algebraic expressions and equations; A.FO.06.11 Relate simple linear equations with integer coefficients; A.FO.06.12 Understand that adding or subtracting the same number to both sides of an equation creates a new equation that has the same solution.	Leveled work	Algebra tiles
2-6 Subtraction Equations	A.FO.06.06 Represent information given in words using algebraic expressions and equations; A.FO.06.11 Relate simple linear equations with integer coefficients; A.FO.06.12 Understand that adding or subtracting the same number to both sides of an equation creates a new equation that has the same solution.	Leveled work	
2-7 Multiplication Equations	A.FO.06.06 Represent information given in words using algebraic expressions and equations; A.FO.06.11 Relate simple linear equations with integer coefficients; A.FO.06.13 Understand that multiplying or dividing both sides of an equation by the same non-zero number creates a new equation that has the same solutions.	Leveled work	Algebra tiles
2-8 Division Equations	A.FO.06.06 Represent information given in words using algebraic expressions and equations; A.FO.06.11 Relate simple linear equations with integer coefficients; A.FO.06.13 Understand that multiplying or dividing both sides of an equation by the same non-zero number creates a new equation that has the same solutions.	Leveled work	

Section	Outcomes	Modifications	Resources
3-1 Representing, Comparing, and Ordering Decimals	N.ME.06.05 Order rational numbers and place them on the number line. N.FL.05.20 Solve applied problems involving fractions and decimals; include rounding of answers and checking reasonableness; N.ME.05.08 Understand the relative magnitude of ones, tenths, and hundredths and the relationship of each place value to the place to its right, e.g., one is 10 tenths, one tenth is 10 hundredths.	Leveled work Hands on Lab	Decimal grids
3-2 Estimating Decimals	N.FL.06.14 For applied situations, estimate the answers to calculations involving operations with rational numbers. N.FL.05.20 Solve applied problems involving fractions and decimals; include rounding of answers and checking reasonableness	Leveled work Hands on Lab Technology Lab	Decimal grids
3-3 Adding and Subtracting Decimals	N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently; N.FL.06.15 Solve applied problems that use the four operations with appropriate decimal numbers. N.FL.05.20 Solve applied problems involving fractions and decimals; include rounding of answers and checking reasonableness	Leveled work Technology Lab	Decimal grids, rulers
3-4 Scientific Notation	N.ME.06.16 Understand and use integer exponents, excluding powers of negative bases; express numbers in scientific notation. N.FL.05.20 Solve applied problems involving fractions and decimals; include rounding of answers and checking reasonableness.	Leveled work Hands on Lab	Decimal grids Graphing calculator

3-5 Multiplying Decimals	N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently; N.FL.06.15 Solve applied problems that use the four operations with appropriate decimal numbers. N.FL.05.20 Solve applied problems involving fractions and decimals; include rounding of answers and checking reasonableness; N.MR.05.17 Multiply one-digit and two-digit whole numbers by decimals up to two decimal places.	Leveled work Hands on Lab (option)	Decimal grids
3-6 Dividing Decimals by Whole Numbers	N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently; N.FL.06.15 Solve applied problems that use the four operations with appropriate decimal numbers. N.FL.05.20 Solve applied problems involving fractions and decimals; include rounding of answers and checking reasonableness	Leveled work Technology Lab	Graphing calculator
3-7 Dividing by Decimals	N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently; N.FL.06.15 Solve applied problems that use the four operations with appropriate decimal numbers. N.FL.05.20 Solve applied problems involving fractions and decimals; include rounding of answers and checking reasonableness.	Leveled work	
3-8 Problem Solving: Interpret the Quotient	N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently. N.FL.05.20 Solve applied problems involving fractions and decimals; include rounding of answers and checking reasonableness	Leveled work	
3-9 Solving Decimal Equations	A.FO.06.11 Relate simple linear equations with integer coefficients. N.FL.05.20 Solve applied problems involving fractions and decimals; include rounding of answers and checking reasonableness	Leveled work	Decimal grids

Section	Outcomes	Modifications	Resources
4-1 Divisibility	The contents of this lesson go beyond the scope of the Michigan Grade-Level Content Expectations.	Leveled work	
4-2 Factors and Prime Factorization	N.ME.06.16 Understand and use integer exponents, excluding powers of negative bases; express numbers in scientific notation. N.MR.05.07 Find the prime factorization of numbers from 2 through 50, express in exponential notation, e.g., $24 = 2^3 \times 3^1$, and understand that every whole number greater than 1 is either prime or can be expressed as a product of primes.	Leveled work	
4-3 Greatest Common Factor	The contents of this lesson go beyond the scope of the Michigan Grade-Level Content Expectations	Leveled work	Graphing calculator
4-4 Decimals and Fractions	N.ME.06.06 Represent rational numbers as fractions or terminating decimals when possible, and translate between these representations; N.ME.06.07 Understand that a fraction or a negative fraction is a quotient of two integers. N.FL.05.20 Solve applied problems involving fractions and decimals; include rounding of answers and checking reasonableness; N.ME.05.10 Understand a fraction as a statement of division, e.g., $2 \div 3 = 2/3$, using simple fractions and pictures to represent; N.MR.05.01 Understand the meaning of division of whole numbers with and without remainders; relate division to fractions and to repeated subtraction.	Leveled work	Decimal grids

4-5 Equivalent Fractions	<p>N.ME.06.11 Find equivalent ratios by scaling up or scaling down.</p> <p>N.FL.05.20 Solve applied problems involving fractions and decimals; include rounding of answers and checking reasonableness.</p>	Leveled work	Pattern blocks, ruler
4-6 Mixed Numbers and Improper Fractions	<p>N.ME.06.07 Understand that a fractions or a negative fraction is a quotient of two integers.</p> <p>N.FL.05.20 Solve applied problems involving fractions and decimals; include rounding of answers and checking reasonableness</p>	Leveled work Hands on Lab	Fraction shapes
4-7 Comparing and Ordering Fractions	<p>N.ME.06.05 Order rational numbers and place them on the number line.</p> <p>N.FL.05.20 Solve applied problems involving fractions and decimals; include rounding of answers and checking reasonableness;</p> <p>N.ME.05.11 Given two fractions, e.g., $\frac{1}{2}$ and $\frac{1}{4}$, express them as fractions with a common denominator, but not necessarily a least common denominator, e.g., $\frac{1}{2} = \frac{4}{8}$ and $\frac{3}{4} = \frac{6}{8}$; use denominators less than 12 or factors of 100.</p>	Leveled work Technology Lab	Fraction shapes
4-8 Adding and Subtracting with Like Denominators	<p>N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently.</p> <p>N.FL.05.18 Use mathematical statements to represent an applied situation involving addition and subtraction of fractions; N.FL.05.20 Solve applied problems involving fractions and decimals; include rounding of answers and checking reasonableness</p>	Leveled work	
4-9 Estimating Fraction Sums and Difference	<p>N.FL.06.14 For applied situations, estimate the answers to calculations involving operations with rational numbers.</p>	Leveled work	

Section	Outcomes	Modifications	Resources
5-1 Least Common Multiple	<p>N.ME.06.16 Understand and use integer exponents, excluding powers of negative bases; express numbers in scientific notation.</p> <p>N.FL.05.20 Solve applied problems involving fractions and decimals; include rounding of answers and checking reasonableness.</p>	<p>Leveled work Technology Lab</p>	<p>Spreadsheet</p>
5-2 Adding and Subtracting with Unlike Denominators	<p>N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently.</p> <p>N.FL.05.14 Add and subtract fractions with unlike denominators through 12 and/or 100, using the common denominator that is the product of the denominators of the 2 fractions, e.g., $\frac{3}{8} + \frac{7}{10}$: use 80 as the common denominator;</p> <p>N.FL.05.20 Solve applied problems involving fractions and decimals; include rounding of answers and checking reasonableness;</p> <p>N.MR.05.19 Solve contextual problems that involve finding sums and differences of fractions with unlike denominators using knowledge of equivalent fractions.</p>	<p>Leveled work Technology Lab</p>	<p>Graphing calculator Fraction bars</p>
5-3 Adding and Subtracting Mixed Numbers	<p>N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently.</p> <p>N.FL.05.20 Solve applied problems involving fractions and decimals; include rounding of answers and checking reasonableness</p>	<p>Leveled work Technology Lab</p>	<p>Graphing calculator</p>
5-4 Regrouping to Subtract Mixed Numbers	<p>N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently.</p> <p>N.FL.05.20 Solve applied problems involving fractions and decimals; include rounding of answers and checking reasonableness</p>	<p>Leveled work</p>	

<p>5-5 Solving Fraction Equations: Addition and Subtraction</p>	<p>A.FO.06.12 Understand that adding or subtracting the same number to both sides of an equation creates a new equation that has the same solution; N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently. N.FL.05.18 Use mathematical statements to represent an applied situation involving addition and subtraction of fractions; N.MR.05.21 Solve for the unknown in equations such as $\frac{1}{4} + x = \frac{7}{12}$.</p>	<p>Leveled work</p>	
<p>5-6 Multiplying Fractions by Whole Numbers</p>	<p>N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently.</p>	<p>Leveled work</p>	
<p>5-7 Multiplying Fractions</p>	<p>N.FL.06.04 Multiply and divide any two fractions, including mixed numbers, fluently; N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently. N.FL.05.20 Solve applied problems involving fractions and decimals; include rounding of answers and checking reasonableness; N.ME.05.12 Find the product of two unit fractions with small denominators using an area model.</p>	<p>Leveled work Technology Lab</p>	<p>Graphing calculator</p>
<p>5-8 Multiplying Mixed Numbers</p>	<p>N.FL.06.04 Multiply and divide any two fractions, including mixed numbers, fluently; N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently. N.FL.05.20 Solve applied problems involving fractions and decimals; include rounding of answers and checking reasonableness.</p>	<p>Leveled work</p>	

<p>5-9 Dividing Fractions and Mixed Numbers</p>	<p>N.FL.06.02 Given an applied situation involving dividing fractions, write a mathematical statement to represent the situation; N.FL.06.04 Multiply and divide any two fractions, including mixed numbers, fluently; N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently; N.MR.06.01 Understand division of fractions as the inverse of multiplication. N.FL.05.20 Solve applied problems involving fractions and decimals; include rounding of answers and checking reasonableness; N.MR.05.13 Divide a fraction by a whole number and a whole number by a fraction, using simple unit fractions</p>	<p>Leveled work</p>	
<p>5-10 Solving Fraction Equations: Multiplication and Division</p>	<p>A.FO.06.11 Relate simple linear equations with integer coefficients; N.FL.06.02 Given an applied situation involving dividing fractions, write a mathematical statement to represent the situation; N.MR.06.01 Understand division of fractions as the inverse of multiplication; N.MR.06.03 Solve for the unknown in equations. N.MR.05.21 Solve for the unknown in equations such as $\frac{1}{4} + x = \frac{7}{12}$.</p>	<p>Leveled work</p>	

Section	Outcomes	Modifications	Resources
6-1 Make a Table	A.RP.06.08 Understand that relationships between quantities can be suggested by graphs and tables.	Leveled work	
6-2 Mean, Median, Mode and Range	.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently. D.AN.05.03 Given a set of data, find and interpret the mean and mode; D.AN.05.04 Solve multi-step problems involving means.	Leveled work Hands On Lab	
6-3 Additional Data and Outliers	N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently. D.AN.05.03 Given a set of data, find and interpret the mean and mode; D.AN.05.04 Solve multi-step problems involving means.	Leveled work	
6-4 Bar Graphs	The contents of this lesson go beyond the scope of the Michigan Grade-Level Content Expectations.	Leveled work Hands On Lab	Graph paper
6-5 Line Plots, Frequency Tables, and Histograms	The contents of this lesson go beyond the scope of the Michigan Grade-Level Content Expectations.	Leveled work Hands On Lab	
6-6 Ordered Pairs	The contents of this lesson go beyond the scope of the Michigan Grade-Level Content Expectations.	Leveled work Hands On Lab	

6-7 Line Graphs	<p>A.RP.06.08 Understand that relationships between quantities can be suggested by graphs and tables.</p> <p>D.RE.05.01 Read and interpret line graphs, and solve problems based on line graphs, e.g., distance-time graphs, and problems with two or three line graphs on same axes, comparing different data; D.RE.05.02 Construct line graphs from tables of data; include axis labels and scale.</p>	<p>Leveled work Technology Lab</p>	<p>Graphing calculator</p>
6-8 Misleading Graphs	<p>The contents of this lesson go beyond the scope of the Michigan Grade-Level Content Expectations.</p>	<p>Leveled work</p>	
6-9 Stem and Leaf Plots	<p>The contents of this lesson go beyond the scope of the Michigan Grade-Level Content Expectations.</p>	<p>Leveled work</p>	
6-10 Choosing an Appropriate Display	<p>The contents of this lesson go beyond the scope of the Michigan Grade-Level Content Expectations.</p>	<p>Leveled work Hands On Lab</p>	

Section	Outcomes	Modifications	Resources
7-1 Ratios and Rates	A.PA.06.01 Solve applied problems involving rates including speed. N.ME.05.23 Express ratios in several ways given applied situations, e.g., 3 cups to 5 people, 3: 5, 3/5; recognize and find equivalent ratios.	Leveled work	
7-2 Using tables to explore Ratios and Rates	A.PA.06.01 Solve applied problems involving rates including speed; N.ME.06.11 Find equivalent ratios by scaling up or scaling down. N.ME.05.23 Express ratios in several ways given applied situations, e.g., 3 cups to 5 people, 3: 5, 3/5; recognize and find equivalent ratios.	Leveled work	
7-3 Proportions	A.PA.06.01 Solve applied problems involving rates including speed; A.FO.06.13 Understand that multiplying or dividing both sides of an equation by the same non-zero number creates a new equation that has the same solutions	Leveled work	Fraction model
7-4 Similar Figures	A.PA.06.01 Solve applied problems involving rates including speed; A.FO.06.13 Understand that multiplying or dividing both sides of an equation by the same non-zero number creates a new equation that has the same solutions.	Leveled work Hands on Lab	Metric ruler
7-5 Indirect Measurement	A.PA.06.01 Solve applied problems involving rates including speed; A.FO.06.13 Understand that multiplying or dividing both sides of an equation by the same non-zero number creates a new equation that has the same solutions.	Leveled work Technology Lab	Computer tools

7-6 Scale Drawings and Maps	A.PA.06.01 Solve applied problems involving rates including speed; A.FO.06.13 Understand that multiplying or dividing both sides of an equation by the same non-zero number creates a new equation that has the same solutions.	Leveled work Hands on Lab	Rectangle models
7-7 Percents	N.ME.06.06 Represent rational numbers as fractions or terminating decimals when possible, and translate between these representations. N.ME.05.09 Understand percentages as parts out of 100, use % notation, and express a part of a whole as a percentage.	Leveled work Hands on Lab	
7-8 Percents, Decimals, and Fractions	N.ME.06.06 Represent rational numbers as fractions or terminating decimals when possible, and translate between these representations. N.ME.05.09 Understand percentages as parts out of 100, use % notation, and express a part of a whole as a percentage; N.MR.05.22 Express fractions and decimals as percentages and vice versa.	Leveled work	Graphing calculator
7-9 Percent Problems	N.FL.06.12 Calculate part of a number given the percentage and the number.	Leveled work Technology Lab	Graphing calculator
7-10 Using Percents	N.FL.06.12 Calculate part of a number given the percentage and the number; N.MR.06.13 Solve contextual problems involving percentages such as sales taxes and tips.	Leveled work Technology Lab	Graphing calculator

Section	Outcomes	Modifications	Resources
8-1 Building Blocks of Geometry	G.GS.06.01 Understand and apply basic properties of lines, angles, and triangles.	Leveled work	
8-2 Measuring and Classifying Angles	G.GS.06.01 Understand and apply basic properties of lines, angles, and triangles. G.GS.05.02 Measure angles with a protractor and classify them as acute, right, obtuse, or straight; G.TR.05.01 Associate an angle with a certain amount of turning; know that angles are measured in degrees; understand that 90° , 180° , 270° , and 360° are associated respectively, with $1/4$, $1/2$, and $3/4$, and full turns.	Leveled work	
8-3 Angle Relationships	G.GS.06.01 Understand and apply basic properties of lines, angles, and triangles. G.GS.05.03 Identify and name angles on a straight line and vertical angles; G.GS.05.04 Find unknown angles in problems involving angles on a straight line, angles surrounding a point, and vertical angles; G.GS.05.05 Know that angles on a straight line add up to 180° and angles surrounding a point add up to 360° ; justify informally by “surrounding” a point with angles.	Leveled work Hands On Lab Technology Lab	Geometry software Protractor, ruler
8-4 Classifying Angles	G.GS.06.01 Understand and apply basic properties of lines, angles, and triangles	Leveled work Hands On Lab Technology Lab	Drawing software Ruler

8-5 Triangles	G.GS.06.01 Understand and apply basic properties of lines, angles, and triangles. G.GS.05.07 Find unknown angles and sides using the properties of: triangles, including right, isosceles, and equilateral triangles; parallelograms, including rectangles and rhombuses; and trapezoids.	Leveled work	Geometry software
8-6 Quadrilaterals	The contents of this lesson go beyond the scope of the Michigan Grade-Level Content Expectations.	Leveled work	
8-7 Polygons	N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently.	Leveled work Hands On Lab	
8-8 Geometric Patterns	The contents of this lesson go beyond the scope of the Michigan Grade-Level Content Expectations.	Leveled work Hands On Lab	
8-9 Congruence	G.GS.06.02 Understand that for polygons, congruence means corresponding sides and angles have equal measures	Leveled work	
8-10 Transformations	G.TR.06.03 Understand the basic rigid motions in the plane, relate these to congruence, and apply them to solve problems; G.TR.06.04 Understand and use simple compositions of basic rigid transformations.	Leveled work Hands On Lab Technology Lab	Drawing or graphing software
8-11 Line Symmetry	The contents of this lesson go beyond the scope of the Michigan Grade-Level Content Expectations.	Leveled work Hands On Lab	Tessellations

Section	Outcomes	Modifications	Resources
9-1 Understanding Customary Units of Measurement	The contents of this lesson go beyond the scope of the Michigan Grade-Level Content Expectations.	Leveled work	Ruler
9-2 Understanding Metric Units of Measurement	M.UN.05.01 Recognize the equivalence of 1 liter, 1,000 ml and 1,000 cm ³ and include conversions among liters, milliliters, and cubic centimeters.	Leveled work Hands On Lab	Ruler, measuring tools
9-3 Converting Customary Units	M.UN.06.01 Convert between basic units of measurement within a single measurement system. M.UN.05.04 Convert measurements of length, weight, area, volume, and time within a given system using easily manipulated numbers.	Leveled work Hands On Lab	
9-4 Converting Metric Units	M.UN.06.01 Convert between basic units of measurement within a single measurement system. M.UN.05.01 Recognize the equivalence of 1 liter, 1,000 ml and 1,000 cm ³ and include conversions among liters, milliliters, and cubic centimeters; M.UN.05.04 Convert measurements of length, weight, area, volume, and time within a given system using easily manipulated numbers.	Leveled work Hands On Lab	
9-5 Time and Temperature	M.UN.06.01 Convert between basic units of measurement within a single measurement system.	Leveled work	

9-6 Finding Angle Measures in Polygons	G.GS.05.05 Know that angles on a straight line add up to 180° and angles surrounding a point add up to 360° ; justify informally by “surrounding” a point with angles; G.GS.05.06 Understand why the sum of the interior angles of a triangle is 180° and the sum of the interior angles of a quadrilateral is 360° , and use these properties to solve problems.	Leveled work	
9-7 Perimeter	N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently	Leveled work Hands On Lab Technology Lab	Drawing/graphing software
9-8 Circles and Circumference	N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently.	Leveled work Hands On Lab	Compass, protractor, centimeter grid paper

Section	Outcomes	Modifications	Resources
10-1 Estimating and Finding Area	N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently. M.PS.05.05 Represent relationships between areas of rectangles, triangles, and parallelograms using models; M.TE.05.07 Understand and know how to use the area formula for a parallelogram: $A = bh$, and represent using models and manipulatives.	Leveled work Hands On Lab	
10-2 Area of Triangles and Trapezoids	N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently. M.PS.05.05 Represent relationships between areas of rectangles, triangles, and parallelograms using models; M.TE.05.06 Understand and know how to use the area formula of a triangle: $A = 1/2$, and represent using models and manipulatives.	Leveled work	Geometry software
10-3 Area of Composite Figures	N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently.	Leveled work Hands On Lab	
10-4 Comparing Perimeter and Area	N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently.	Leveled work Hands On Lab	Centimeter grid paper
10-5 Area of Circles	N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently.	Leveled work	

10-6 Three-Dimensional Figures	The contents of this lesson go beyond the scope of the Michigan Grade-Level Content Expectations.	Leveled work Hands On Lab	Solid figures, rectangular prisms
10-7 Volume of Prisms	M.TE.06.03 Compute the volume and surface area of cubes and rectangular prisms given the lengths of their sides using formulas. M.PS.05.10 Solve applied problems about the volumes of rectangular prisms using multiplication and division and using the appropriate units; M.UN.05.02 Know the units of measure of volume: cubic centimeter, cubic meter, cubic inches, cubic feet, cubic yards, and use their abbreviations.	Leveled work Hands On Lab	Cylinder, cones
10-8 Volume of Cylinders	M.TE.06.03 Compute the volume and surface area of cubes and rectangular prisms given the lengths of their sides using formulas. M.PS.05.10 Solve applied problems about the volumes of rectangular prisms using multiplication and division and using the appropriate units; M.UN.05.02 Know the units of measure of volume: cubic centimeter, cubic meter, cubic inches, cubic feet, cubic yards, and use their abbreviations	Leveled work Hands On Lab Technology Lab	Spreadsheet 3 dimensional solids/figures
10-9 Surface Area	M.TE.06.03 Compute the volume and surface area of cubes and rectangular prisms given the lengths of their sides using formulas.	Leveled work Hands On Lab	

Section	Outcomes	Modifications	Resources
11-1 Integers in Real World Situations	N.ME.06.17 Locate negative rational numbers on the number line; know that numbers and their negatives add to 0, and are on opposite sides and at equal distance from 0 on a number line; N.ME.06.19 Understand that 0 is an integer that is neither negative nor positive.	Leveled work	Graphing calculator
11-2 Comparing and Ordering Integers	N.ME.06.17 Locate negative rational numbers on the number line; know that numbers and their negatives add to 0, and are on opposite sides and at equal distance from 0 on a number line.	Leveled work Hands On Lab	
11-3 The Coordinate Plane	A.RP.06.02 Plot ordered pairs of integers and use ordered pairs of integers to identify points in all four quadrants of the coordinate plane.	Leveled work Technology Lab	
11-4 Adding Integers	N.FL.06.09 Add and multiply integers between -10 and 10; subtract and divide integers using the related facts. Use the number line and chip models of addition and subtraction; N.MR.06.08 Understand integer subtraction as the inverse of integer addition. Understand integer division as the inverse of integer multiplication.	Leveled work Hands On Lab	
11-5 Subtracting Integers	N.FL.06.09 Add and multiply integers between -10 and 10; subtract and divide integers using the related facts. Use the number line and chip models of addition and subtraction; N.MR.06.08 Understand integer subtraction as the inverse of integer addition. Understand integer division as the inverse of integer multiplication.	Leveled work Hands On Lab	

11-6 Multiplying Integers	N.FL.06.09 Add and multiply integers between -10 and 10; subtract and divide integers using the related facts. Use the number line and chip models of addition and subtraction.	Leveled work Technology Lab	Spreadsheet
11-7 Dividing Integers	N.FL.06.09 Add and multiply integers between -10 and 10; subtract and divide integers using the related facts. Use the number line and chip models of addition and subtraction.	Leveled work Technology Lab	Graphing calculator
11-8 Solving Integer Equations	A.FO.06.11 Relate simple linear equations with integer coefficients.	Leveled work Hands On Lab	
11-9 Tables and Functions	A.PA.06.09 Solve problems involving linear functions whose input values are integers; write the equation; graph the resulting ordered pairs of integers; A.RP.06.08 Understand that relationships between quantities can be suggested by graphs and tables; A.RP.06.10 Represent simple relationships between quantities, using verbal descriptions, formulas or equations, tables, and graphs.	Leveled work Technology Lab	Spreadsheet
11-10 Graphing Functions	A.PA.06.09 Solve problems involving linear functions whose input values are integers; write the equation; graph the resulting ordered pairs of integers; A.RP.06.08 Understand that relationships between quantities can be suggested by graphs and tables; A.RP.06.10 Represent simple relationships between quantities, using verbal descriptions, formulas or equations, tables, and graphs.	Leveled work Hands On Lab Technology Lab	Graphing calculator

Section	Outcomes	Modifications	Resources
12-1 Introduction to Probability	D.PR.06.01 Express probabilities as fractions, decimals or percentages between 0 and 1; know that 0 probability means an event will not occur and that probability 1 means an event will occur.	Leveled work	
12-2 Experimental Probability	D.PR.06.01 Express probabilities as fractions, decimals or percentages between 0 and 1; know that 0 probability means an event will not occur and that probability 1 means an event will occur; D.PR.06.02 Compute probabilities of events from simple experiments with equally likely outcomes.	Leveled work Technology Lab	
12-3 Counting Methods and Sample Spaces	The contents of this lesson go beyond the scope of the Michigan Grade-Level Content Expectations.	Leveled work Hands on Lab	
12-4 Theoretical Probability	D.PR.06.01 Express probabilities as fractions, decimals or percentages between 0 and 1; know that 0 probability means an event will not occur and that probability 1 means an event will occur.	Leveled work Hands on Lab	
12-5 Compound Events	D.PR.06.01 Express probabilities as fractions, decimals or percentages between 0 and 1; know that 0 probability means an event will not occur and that probability 1 means an event will occur.	Leveled work Technology Lab	
12-6 Making Predictions	A.PA.06.01 Solve applied problems involving rates including speed; A.FO.06.13 Understand that multiplying or dividing both sides of an equation by the same non-zero number creates a new equation that has the same solutions.	Leveled work	

