Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
Module 1 Place Value Concepts for Addition and Subtraction	**September - October**	Students extend their understanding of place value to 1,000,000. They read, write, compare, and round multi-digit numbers in various forms and solve multi-step addition and subtraction word problems. Instruction emphasizes representing problems with equations, assessing reasonableness, and understanding	Sum Difference Rename Unbundle Compare Factor Product	4.OA.1: Interpret a multiplication equation as a comparison. Represent verbal statements of multiplicative comparisons as multiplication equations. 4.OA.2: Multiply or divide to solve word problems involving multiplicative comparison, distinguishing multiplicative comparison from	Students will understand place value to 1,000,000. Students will be able to add, subtract, compare, order and round numbers in standard, expanded, unit and word forms. Students will solve multi-step addition and subtraction word problems.	What is the multiplicative relationship between place values?	Written assessment; Performance Based Assessment

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
		multiplicative relationships between place values.		additive comparison. Use drawings and equations with a symbol for the unknown number to represent the problem. 4.OA.3: Solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. 4.NBT.1: Recognize that in a multi-digit whole number, a digit in one			

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
				place represents ten times what it represents in the place to its right. 4.NBT.2: Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form. Compare two multi-digit numbers based on meanings of the digits in each place, using >, =, and < symbols to record the results of comparisons. 4.NBT.3: Use place value understanding to			

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
				round multi-digit whole numbers to any place. 4.NBT.4: Fluently add and subtract multi-digit whole numbers using a standard algorithm. 4.MD.1: Know relative sizes of measurement units: ft., in.; km, m, cm. Know the conversion factor and use it to convert measurements in a larger unit in terms of a smaller unit: ft., in.; km, m, cm; hr., min., sec. Given the conversion			

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
				factor, convert all other measurements within a single system of measurement from a larger unit to a smaller unit. Record measurement equivalents in a two-column table. 4.MD.2: Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money.			

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
Module 2 Place Value Concepts for Multiplication and Division	October - November	Students compose and decompose units of ten to build fluency with multiplication and division. They explore factors, multiples, and properties of operations. Instruction includes solving multi-step word problems, converting measurement units, and applying area and perimeter formulas.	Associative Property of Multiplication Composite number Distributive Property Divisible Divisor Formula Partial product Partial quotient Box Method Prime number Area Perimeter	4.OA.2: Multiply or divide to solve word problems involving multiplicative comparison, distinguishing multiplicative comparison from additive comparison. Use drawings and equations with a symbol for the unknown number to represent the problem. 4.OA.3: Solve multistep word problems posed with whole numbers and having whole-number	Students will multiply and divide one digit numbers by multiples of ten. Students will find the area and perimeter of shapes using the formula. Students will multiply by using the area model. Students will solve multiplication and division word problems using a model and an equation. Students will multiply one-digit numbers by		Written Assessment Culminating Performance Based Assessment

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
				answers using the four operations, including problems in which remainders must be interpreted. 4.OA.4: Find all factor pairs for a whole number in the range 1–100. Recognize that a whole number is a multiple of each of its factors. Determine whether a given whole number in the range 1–100 is a multiple of a given one-digit number. Determine whether a given whole number in the range	two- digit numbers. Students will divide two-digit and three-digit numbers numbers by one digit numbers. Students will recognize that a number is a product of its factors. Students will explore prime and composite numbers.		

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
				1–100 is prime or composite. 4.OA.5: Generate a number or shape pattern that follows a given rule. Identify and informally explain apparent features of the pattern that were not explicit in the rule itself. 4.NBT.5: Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on			

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
				place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models. 4.NBT.6: Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between			

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
				multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models. 4.MD.1: Know relative sizes of measurement units: ft., in.; km, m, cm. Know the conversion factor and use it to convert measurements in a larger unit in terms of a smaller unit: ft., in.; km, m, cm; hr., min., sec. Given the conversion factor, convert all other measurements within			

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
				a single system of measurement from a larger unit to a smaller unit. Record measurement equivalents in a two-column table. 4.MD.2: Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money. 4.MD.3: Apply the area and perimeter formulas for rectangles in real world and mathematical			

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
				problems. 4.MD.4: Make a line plot to display a data set of measurements in fractions of a unit (1/2, 1/4, 1/8). Solve problems involving addition and subtraction of fractions by using information presented in line plots.			
Module 3 Multiplication	December-January	Students multiply and divide multi-digit	Cup Gallon	4.OA.3: Solve multistep word	Students will interpret remainders in a	Which multiplication strategy is most	Written Assessment; Performance Based

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
and Division of Multi-Digit Numbers		numbers using strategies based on place value, including area models, partial products, and the box method. They interpret remainders, convert measurement units, and solve multi-step word problems involving all four operations.	Pint Ounce Pound Quart Associative Property of Multiplication Composite number Distributive Property Divisible Divisor Formula Partial product Partial quotient Box Method Prime number	problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. 4.NBT.5: Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate	division problem. Students will find the product of a single digit number and up to a four digit number. As well as a two-digit number by another two-digit number. Students will divide up to a four digit dividend by a one digit divisor. Students will use various strategies like the area model, partial products and box method. Students will problem solve with measurement units	efficient when solving multi-digit multiplication problems? How do I use context clues to help me decide which operation to use when problem solving?	Assessment

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
				and explain the calculation by using equations, rectangular arrays, and/or area models. 4.NBT.6: Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation	and express the answer in terms of smaller units.		

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
				by using equations, rectangular arrays, and/or area models. 4.MD.1: Know relative sizes of measurement units: ft., in.; km, m, cm. Know the conversion factor and use it to convert measurements in a larger unit in terms of a smaller unit: ft., in.; km, m, cm; hr., min., sec. Given the conversion factor, convert all other measurements within a single system of measurement from a larger unit to a smaller			

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
				unit. Record measurement equivalents in a two-column table. 4.MD.2: Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money.			
Module 4 Foundations for Fraction Operations	February - March	Students deepen their understanding of fractions through decomposition, equivalence, comparison, and	Numerator Denominator Common denominator Common numerator Mixed number	4.NF.1: Explain why a fraction a/b is equivalent to a fraction $(a \times n)/(b \times n)$ by using visual fraction models, with attention to how	Students will decompose whole numbers and fractions into unit fractions. Students will rename fractions larger than 1	Why do I need to have a common denominator before comparing, adding or subtracting fractions?	Written assessment

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
		operations. They add and subtract fractions and mixed numbers, multiply fractions by whole numbers, and solve fraction-based word problems.		the number and size of the parts differ even though the two fractions themselves are the same size. Use this principle to recognize and generate equivalent fractions. 4.NF.2: Compare two fractions with different numerators and different denominators. Recognize that comparisons are valid only when the two fractions refer to the same whole. Record the results of	into mixed numbers. Students will generate equivalent fractions. Students will compare fractions with like and unlike denominators. Students will add and subtract fractions and mixed numbers with like denominators. Students will multiply a fraction by a whole number. Students will solve word problems with fractions and mixed numbers.		

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
				comparisons with symbols >, =, or <, and justify the conclusions. 4.NF.3: Understand a fraction *a*/*b* with *a* > 1 as a sum of fractions 1/*b*. 4.NF.4: Apply and extend previous understandings of multiplication to multiply a whole number by a fraction. 4.MD.2: Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of			

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
				objects, and money. 4.MD.3: Apply the area and perimeter formulas for rectangles in real world and mathematical problems. 4.MD.4: Make a line plot to display a data set of measurements in fractions of a unit (1/2, 1/4, 1/8). Solve problems involving addition and subtraction of fractions by using information presented in line plots.			

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
Module 5	March - May	Students explore angle measurement, classify triangles, and analyze two-dimensional figures. They determine unknown angle measures, identify symmetry,	Acute angle Acute triangle Adjacent angles Complimentary angles Degree Isosceles triangle Equilateral triangle Scalene triangle	4.MD.5: Recognize angles as geometric shapes that are formed wherever two rays share a common endpoint, and understand concepts of angle measurement.	Students will identify and measure angles using a protractor. Students will find the missing angle measure within a decomposed angle. Students will analyze and classify triangles	How can understanding angle relationships help me determine unknown angle measurements? How do the attributes of two-dimensional	Written assessment; Performance Based Assessment

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
		and draw geometric figures using precise vocabulary and tools	Right triangle Obtuse triangle Intersect Right angle Supplementary angle Vertex Symmetrical Line Line segment Point Ray Parallel Perpendicular	4.MD.6: Measure angles in whole-number degrees using a protractor. Sketch angles of specified measure. 4.MD.7: Recognize angle measure as additive. When an angle is decomposed into non-overlapping parts, the angle measure of the whole is the sum of the angle measures of the parts. Solve addition and subtraction problems	based on side lengths and angle measurements.	figures help me classify shapes and identify symmetry?	

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
				to find unknown angles on a diagram in real world and mathematical problems. 4.G.1: Draw points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel lines. Identify these in two-dimensional figures. 4.G.2: Identify and name triangles based on angle size (right, obtuse, acute). Identify and name all			

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
				quadrilaterals with 2 pairs of parallel sides as parallelograms. Identify and name all quadrilaterals with four right angles as rectangles. 4.G.3: Recognize a line of symmetry for a two-dimensional figure as a line across the figure such that the figure can be folded along the line into matching parts. Identify line-symmetric figures and draw lines of symmetry.			

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
Module 6 Place Value Concepts for Decimal Fractions	May - June	Students explore tenths and hundredths, represent decimals in multiple forms, compare decimal values, and solve real-world problems involving decimals.	Decimal form Decimal fraction Decimal/decimal point Hundredths Tenths	4.NF.5: Express a fraction with denominator 10 as an equivalent fraction with denominator 100, and use this technique to add two fractions with respective denominators 10 and 100. 4.NF.6: Use decimal notation for fractions	Students will decompose 1 whole into tenths and hundredths. Students will represent decimal numbers in expanded form. Students will compare decimal numbers using pictorial representations.	How many tenths make up one whole? How many hundredths make up one whole?	Written assessment; Performance Based Assessment

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
				with denominators 10 or 100. 4.NF.7: Compare two decimals to hundredths by reasoning about their size. Recognize that comparisons are valid only when two decimals refer to the same whole. Record the results of comparisons with the symbols >, =, or <, and justify the conclusions. 4.MD.2: Use the four operations to solve word problems involving distances,	Students will solve word problems with decimals numbers.		

Mount Pleasant Central School District

4th Grade, Math

We believe that students should learn the mathematical practice standards by showing the connections between real world problems and mathematical solutions by modeling, explorations and discovery.

How can understanding fractional units help us compute with larger numbers? In this class students will extend previous understandings of place value concepts to add, subtract, multiply and divide multi-digit numbers as well as solve multi-step word problems. Our main goal is to develop a rich foundation of the place value system which students can apply to our fraction, geometry and decimal units. We emphasize collaboration, critical thinking and communication and resilience in our whole group and small group lessons. Assessment will be through quizzes and module assessments, along with performance based learning which enables students to apply learning to real world situations.

Unit Title	Month	Content	Vocabulary	Standards	Skills	Big Ideas	Assessments
				intervals of time, liquid volumes, masses of objects, and money.			