Trimester 1 – First 3 Weeks

District: Merrillville Community School Corporation ~ Merrillville Intermediate School								
Grade: 5								
Subject: Math						Trimester: 1		
Standard	**Concept**	**Process Standard**	**Skill**	**Vocabulary**	**Suggested Timeline**	**Required Question Format**	**Instructional Strategies**	**Resources**
Month: August								
4.C.1 DOK 1 & 2 4.AT.1 DOK 2 & 3	Place Value of Whole Numbers Add & Subtract Whole Numbers	PS.2 PS.3 PS.6	I can use the standard algorithm to add and subtract multi-digit whole numbers. I can solve real-world problems involving addition and subtraction of multi-digit whole numbers.	Sum Difference Regroup	August 15h – 17th	4.C.1 4.AT.1	Error Analysis	
Ready lesson in ( ) **5.C.1 (5)** **DOK 1 & 2** **5.C.2 (6)** **DOK 2** **5.AT.1 (6)** **DOK 2 & 3**	Multiply & Divide Whole Numbers	PS.2 PS.3 PS.6	I can multiply up to four-digit whole number by 2-digit whole numbers. I can multiply two-digit whole numbers by two-digit whole numbers using the standard algorithm. I can describe and explain how to find the product of a multiplication problem. I can divide up to four-digit dividends by one-digit divisors to find whole-number quotients with and without remainders I can describe and explain the strategy used to find whole-number quotients and remainders.	Multiplication Product Factor Multiple! Division Dividend Divisor Quotient Remainder	August 20th – August 31	5.C.1 5.C.2 5.AT.1	Error Analysis	**Assessment needed**

District: Merrillville Community School Corporation ~ Merrillville Intermediate School								
Grade: 5								
Subject: Math						Trimester: 1 – August 20th – November 9th		
Standard	**Concept**	**Process Standard**	**Skill**	**Vocabulary**	**Suggested Timeline**	**Required Question Format**	**Instructional Strategies**	**Resources**
Trimester 1:: September								
5.NS.1 (4A) DOK 1 & 2 **5.NS.3 (1) DOK 1 & 2** **5.NS.4 (2) DOK 1** **5.NS.5 (4A) DOK 1 & 2**	Decimal Place Value Powers of Ten Compare & Round Decimals	PS.2 PS.6	I can explain patterns in the number of zeros of the product when multiplying a number by powers of 10. I can explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. I can compare decimals to the thousandths using a number line. I can write the results using >, =, and < symbols. I can recognize a digit in one place represents 10 times as much as it represents in the place to its right, and inversely, a digit in one place represents 1/10 of what it represents in the place to its left.	To Estimate Compare Greater Than Symbol Less Than Symbol Place Value Base Ten Decimal Thousandths Tenth Hundredths Expanded Form Standard Form Word Form Inequality	September 3rd – 14th	5.NS.1 5.NS.3 5.NS.4 5.NS.5		Assessment From Last Year: **5.NS.1 and 5.NS.5:** Assessment B

5.C.8 (7,8,9) DOK 2 5.AT.5 (7,8,9) DOK 2	Add, Subtract, Multiply, & Divide Decimals	PS.2 PS.4	I can add, subtract,multiply and decimals to hundredths. I can explain the strategies and reasoning I use to solve real world problems.	Sum Difference Decimal To Estimate Place Value	1 Week September 17th-21st (Add & Subtract Decimals) 2 weeks September 24th - October 5th (Multiply & Divide Decimals)	5.C.8 5.AT.5		Assessment From Last Year: **Assessment H**
5.AT.2 (11) DOK 2 & 3 5.C.4 (10) DOK 2 & 3	Add and Subtract Fractions	PS.4 PS.3	*I can add and subtract fractions with unlike denominators, including mixed numbers.* *Use benchmark fractions and number sense to assess whether the answer is reasonable.* *I can solve real-world problems involving addition and subtraction of fractions.*	Numerator Denominator Equivalent Fractions Common Denominator Benchmark Fraction Simplify/Reduce	October 8th - November 2nd	5.AT.2 5.C.4		Assessment From Last Year: **Assessment F**

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TRIMESTER 2								
5.NS.2 (12) DOK 2 5.C.7 (17) DOK 2 5.AT.4 (18) DOK 2 5.C.3 (15) DOK 2 5.C.5 (13) DOK 2 5.C.6 (15) DOK 2 5.AT.3 (16) DOK 2 & 3	Multiply and Divide Fractions		*I can describe fractions as a part of a whole, part of a set, and division of a whole number by a whole number.* *I can use visual fraction models and numbers to divide a unit fraction by a non-zero whole number and to divide a whole number by a unit fraction.* *I can solve real-world problems involving division of unit fractions by non-zero whole numbers, and division of whole numbers by unit fractions.* *I can compare the size of a product to the size of one factor.* *I can use visual fraction models and numbers to multiply a fraction by a fraction or a whole number.* *I can explain what happens to the product when multiply by a fraction greater than 1 and less than 1.* *I can solve real-world problems involving multiplication of fractions, including mixed numbers.*	Numerator Denominator Quotient Improper Fraction Simplify/Reduce Numerator Denominator Product Factor Equation Improper Fraction Simplify/Reduce	November 5th – December 7th	5.NS.2 5.C.7 5.AT.4 5.C.3 5.C.5 5.C.6 5.AT.3		Assessment From Last Year: **5.C.7** **Assessment G** **5.AT.4** **Assessment G**

5.NS.6 (4B) DOK 2	Percent, Decimal, Fraction	PS.3 PS.6	I can explain that a fractions, decimal, and percent can represent the same amount. I can use models to represent percents. I can interpret percents as part of 100.	Percent Decimal Fraction Tenth Hundredth Equivalent Fraction Circle Graph	December 10th – 21st	5.NS.6		Assessment From Last Year: Only dok 1
5.M.1 (21,22) *DOK 2*	*Measurement Conversions*	*PS.2*	I can convert among different-sized standard measurement units within a given measurement system, and use these conversions in solving multi-step real-world problems.	Convert Metric System Customary Measurement	January 7th – January 11th	*5.M.1*		Assessment From Last Year: Assessment J
5.G.1 (30) *DOK 2* *5.G.2 (30,31A)* *DOK 2 & 3*	*Triangles* *Quadrilaterals*		I can identify and describe triangles. I can identify and classify polygons, including quadrilaterals, pentagons, hexagons, and triangles.	Triangles Quadrilaterals Polygons Pentagons Hexagons Parallel Perpendicular Lines Edges Vertex Acute Triangle Acute Angle Obtuse Triangle Obtuse Angle Right Triangle Right Angle Equilateral Triangle Congruent	January 14th – 25th	*5.G.1* *5.G.2*		Assessment from last Year: Assessment L

5.M.2 (14) DOK 2 & 3 5.M.3 (31B) DOK 2 5.M.4 (24,25,26) DOK 1 5.M.6 (27) DOK 1, 2 & 3 5.M.5	Area, Perimeter, & Volume		I can develop and use formulas for the area of triangles, parallelograms and trapezoids. I can solve real-world and other mathematical problems that involve perimeter and area of triangles, parallelograms and trapezoids, using appropriate units for measures. I can find the volume of a right rectangular prism with whole-number side lengths by packing it with unit cubes, and show that the volume is the same as would be found by multiplying the edge lengths or multiplying the height by the area of the base. I can apply the formulas V=LxWxH and V=Bxh for right rectangular prisms to find volumes of right rectangular prisms with whole-number edge lengths to solve real-world problems and other mathematical problems. I can find volumes of solid figures composed of two non-overlapping right rectangular prisms by adding the volumes of the non-overlapping parts, applying this technique to solve real-world problems and other mathematical problems.	Area Perimeter Parallelogram Right Triangle Trapezoid Plane Figure Solid Figure Volume Cubic Unit Rectangular Prism Formula	January 28th - February 8th	5.M.2 5.M.3 5.M.4 5.M.6		Assessment from last year: **Assessment K**
5.AT.6 (28) **DOK 1 & 2** **5.AT.7 (29)** **DOK 1, 2 & 3**	Coordinate Planes	PS.4 PS.7	I can graph points on a coordinate plane. I can describe a point on a coordinate plane by its position on the x- and y-axis. I can interpret real-world problems and represent them by graphing ordered pairs in quadrant one on a coordinate plane.	Coordinate Plane X-Axis Y-Axis Ordered Pairs X-Coordinate Y-Coordinate Origin	February 11th - 14th Lesson 28 Lesson 29	5.AT.6 5.AT.7		Assessment From Last Year: Assessment Needed

5.AT.8 (19) DOK 2 **5.C.9 (19)** **DOK 2**	Algebraic Expressions Order of Operations	PS.2 PS.3 PS.6	I can interpret real-world problems using up to two variables. I can write linear expressions that represent real-world problems using up to two variables. I can evaluate expressions with parentheses or brackets involving whole numbers using the commutative properties of addition and multiplication, associative properties of addition and multiplication, and distributive property.	Evaluate Parenthesis Expression Value Variable Linear Expression Numerical Expression Parentheses Bracket Evaluate Commutative Property Associative Property Distributive Property	February 19th - 25th	5.AT.8 5.C.9		Ready Lesson 19 Quiz
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Trimester 3								
5.G.1 (30) DOK 2	Circles	PS.5	I can identify and draw circles using appropriate tools. I can explain the relationship between radius and diameter.	Circle Radius Diameter	February 26th - March 1st	5.G.1		**Assessment Needed**

5.DS.1 (23A) DOK 1, 2 & 3	Line Plots Interpret Data	PS.1 PS.2 PS.4 PS.5 PS.6 PS.7	I can formulate questions that can be addressed with data and make predictions about the data. I can use observations, surveys, and experiments to collect, represent, and interpret the data using tables. I can recognize the differences in representing categorical and numerical data	Distribution Line Plot Scale	March 4th - 15th	5.DS.1		**Assessment Needed**
5.DS.2 (23B) DOK 2	Mean Median Mode Range	PS.2 PS.5	I can find the mean, median, mode and range of a data set.	Mean Median Mode Range Frequency	March 18th - 29th	5.DS.2		**Assessment Needed**
Exponents								
April 22nd ILearn Window opens								
		Review for ILEARN		April 8- April 19 2 Weeks				
ILEARN Window opens here!				April 22 - May 2 2 Weeks				
		Rates and Ratios		May 6- May 16 2 Weeks				
				May 20- May 31 2 Weeks				