Math – First Marking Period

WHAT STUDENTS NEED TO KNOW AND BE ABLE TO DO IN 3RD GRADE

Number & Operations in Base Ten

I can *read, write, and model place value to nearest 10 and 100.*

I can *put together/take apart manipulatives to illustrate Base 10.*

I can *round to the nearest 10 and/or 100.*

I can *add two digit numbers using strategies.*

I can *add three digit numbers using strategies.*

I can *add four digit numbers using strategies.*

I can *subtract two digit numbers using strategies.*

I can *subtract three digit numbers using strategies.*

I can *subtract four digit numbers using strategies.*

I can *check my answer using the inverse operation.*

Measurement and Data

I can *tell and write time to the nearest minute.*

I can *find elapsed time intervals in minutes.*

I can *construct a number line to solve elapsed time word problems.*

I can *complete volume/mass one-step word problems using addition and subtraction.*

I can *define area and square units.*

I can *measure the area using square units.*

I can *determine area of a plane figure.*

I can *measure the area using square units.*

I can *measure the area of a plane figure with any other given units.*

I can *find the area of a rectangle by laying tiles, counting, and then multiplying the length of its sides.*

I can *break down figures into non-overlapping parts.*

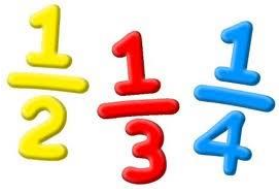
I can *add the areas of the non-overlapping parts to find the area of the whole.*

I can *calculate area to solve real world problems.*

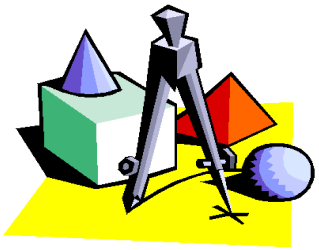
Operations and Algebraic Thinking

I can *find patterns using addition and multiplication and explain them using what I know about numbers.*

Numbers and Operations - Fractions



Geometry



Math – Second Marking Period

WHAT STUDENTS NEED TO KNOW AND BE ABLE TO DO IN 3RD GRADE

Operations and Algebraic Thinking

I can *find and label factors and product.*

I can *make an array.*

I can *solve a multiplication word problem.*

I can find the missing number in a multiplication problem.

I can *make an equation to represent each property of multiplication.*

I can *multiply with factors up to 10 X 10.*

Number and Operations - Fractions

I can *identify a fraction on a number line by using 0 to 1 as the whole and breaking it into equal parts.*

I can *label a fraction as an equal part on the number line.*

I can *show and understand fractions by comparing their size.*

I can *show fractions as same-size portions by model or number line.*

Numbers and Operations in Base Ten

I can *list multiples when solving for a product.*

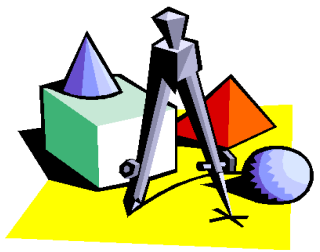
I can *multiply one-digit numbers by multiples of 10 (10-90).*

Measurement and Data

I can *apply area to solve real-world problems.*

I can *use the distributive property to find area of a rectangle with whole number side lengths.*

Geometry



Math – Third Marking Period

WHAT STUDENTS NEED TO KNOW AND BE ABLE TO DO IN 3RD GRADE

Operations and Algebraic Thinking

I can *define quotients, dividends, and divisors.*

I can *make a model of a division problem.*

I can *solve a division word problem.*

I can *use what I know to solve multiplication and division word problems.*

I can *write a multiplication or division problem in more than one way.*

I can *find the missing number in a division problem.*

I can *define and use the associative, commutative, and distributive property to solve multiplication and division problems.*

I can *select fact families to solve for a division problem.*

I can *divide with factors up to 10 X 10.*

I can *solve two-step word problems using addition, subtraction, multiplication, and division.*

I can *justify my answer by using mental math, estimating, and rounding.*

Number and Operations - Fractions

I can *show and understand that a fraction is part of a whole, when broken into equal parts.*

I can *change whole numbers into equivalent fractions.*

I can *define numerator, denominator, and whole number.*

I can *compare two fractions with the same numerator and denominator using >, =, <.*

I can *justify my comparison by creating a visual model.*

Measurement and Data

I can *show and understand volume and mass.*

I can *estimate and measure the capacity/ weight of objects using Metric units (grams, kilograms, liters).*

I can *complete volume/mass one-step word problems using multiplication and division.*

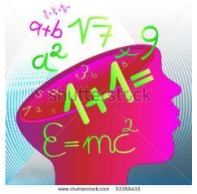
Numbers and Operations in Base Ten

Geometry

Math – Fourth Marking Period

WHAT STUDENTS NEED TO KNOW AND BE ABLE TO DO IN 3RD GRADE

Lansing School District
Caring | Collaboration | Excellence

Measurement and Data	Geometry	Operations and Algebraic Thinking
I can *create a pictograph and bar graph to represent data for several categories.* ***I can*** *apply the key to solve.* ***I can*** *solve a one-step word problem using data shown in the graph.* ***I can*** *solve a two-step word problem using data shown in the graph.* ***I can*** *show and understand horizontal axis.* ***I can*** *measure to the nearest half and fourth of an inch.* ***I can*** *convert the data into a line plot.*	***I can*** *categorize shapes with shared attributes.* ***I can*** *compare and contrast different quadrilaterals.* ***I can*** *recognize and draw quadrilaterals.* ***I can*** *break down shapes into equal parts.* ***I can*** *name each fractional part.*	 **Numbers and Operations in Base Ten**  **Number and Operations - Fractions**