

**Octorara Area School District
 Standards Based Report Card Rubrics
 2018-2019
 3rd GRADE MATH**

Standards-based grading aligns grading with the PA Core Standards. The report card accurately communicates achievement of learning targets to students, parents, and educators. Our report card provides specific information about the level of proficiency on the learning targets that are taught each trimester.

By the end of the year, students are expected to meet each grade-level standard (M). Students not meeting standards will receive instructional supports to achieve mastery for specific content and skills.

The purpose of these rubrics is to assist students, parents, and teachers in understanding what the specific learning expectations are for students to be considered at grade-level mastery in each skill area. These learning expectations may grow or increase as the school year progresses and more content/skills are introduced.

SBRC Descriptor	M	SP	LP	NA
Means:	Consistently meets grade level expectations/standards	Demonstrates steady progress toward meeting grade level expectations/standards	Demonstrates limited progress toward meeting grade level expectations/standards	Not assessed at this time
Math Fact Fluency				
Addition Facts to Sums of 20	Independently and consistently calculates basic addition facts efficiently, accurately and flexibly	Inconsistently calculates basic addition facts efficiently, accurately and flexibly. May be independent with some facts, but not all.	Dependent upon concrete strategies or tools such as number lines, drawings, or objects to calculate addition facts	Not assessed at this time
Subtraction Facts	Independently and	Inconsistently calculates	Dependent upon concrete	Not assessed at this time

within 20	consistently calculates basic subtraction facts efficiently, accurately and flexibly	basic subtraction facts efficiently, accurately and flexibly. May be independent with some facts, but not all.	strategies or tools such as number lines, drawings, or objects to calculate subtraction facts	
Multiplication Facts 0 to 10	Independently and consistently calculates basic multiplication facts 0-10 efficiently, accurately and flexibly	Inconsistently calculates basic multiplication facts 0-10 efficiently, accurately and flexibly. May be independent with some facts, but not all.	Dependent upon concrete strategies or tools, such as multiplication charts, number lines, or drawings to calculate basic multiplication facts 0-10	Not assessed at this time.
Numbers and Operations - Base Ten				
Applies place value understanding and properties of operations to perform multi-digit arithmetic	Independently estimates and add/subtracts single, double, and triple digit numbers with and without regrouping. Multiplies one-digit whole numbers by multiples of 10 in the range 10-90	Accurately and consistently estimates and add/subtracts single and double digit numbers with and without regrouping	Limited ability to estimate and add/subtract single and double digit numbers with and without regrouping accurately and consistently.	Not assessed at this time.
Numbers and Operations-Fractions				
Demonstrates an understanding of fractions as numbers	Consistently identifies and draws the fraction that corresponds to a drawing/number line (denominators 2,3,4,6,8) .	Consistently identifies and draws the fraction that corresponds to a drawing (denominators 2,3,4,6,8)	Consistently identifies the fraction that corresponds to a drawing/number line of $\frac{1}{4}$, $\frac{1}{3}$, and $\frac{1}{2}$	Not assessed at this time.

	Identifies equivalent fractions and makes comparisons between fractions.			
Operations and Algebraic Thinking				
Represents and solves problems involving multiplication and division	Independently and consistently multiplies and divides by 1 digit numbers. Solves related word problems involving multiplication or division accurately	Inconsistently multiplies and divides by 1 digit numbers.	Limited understanding of multiplication or division.	Not assessed at this time.
Understands and applies properties of operations and the relationship between multiplication and division	Consistently determines if equations involving multiplication/division are true or false and solve problems with the use of commutative/associative/distributive properties	Inconsistently determines if equations involving multiplication are true or false	Does not understand the meaning of the equals sign	Not assessed at this time.
Solves problems involving the four operations; identifies and explains patterns in arithmetic	Consistently solves problems with all 4 operations	Consistently solves problems with less than 4 operations	Inability to solve problems	Not assessed at this time
Geometry				

Identifies, compares, and classifies shapes and their attributes	Consistently identifies, classifies, draws, and describes properties of 2D shapes	Inconsistently identifies, classifies, draws and/or describes the properties of 2D shapes	Limited ability to identify, classify, draw and describe 2D shapes	Not assessed at this time.
Uses the understanding of fractions to partition shapes into parts with equal areas and expresses the area of each part as a fraction of the whole	Partitions shapes into equal areas and express each as a fractional part of the whole	Inconsistently partitions shapes into areas	Unable to partition shapes into equal areas	Not assessed at this time.
Measurement and Data				
Solves problems involving money using a combination of coins and bills	Solves word/story problems that involve money accurately and consistently	Consistently writes money amounts and compares, orders, and adds money amounts	Inconsistently writes money amounts, compares, orders and adds money	Not assessed at this time.
Tells and writes time to the nearest minute and solves problems by calculating time intervals	Tells time to the minute. Solves elapsed time problems using half hours, quarter hours, or minutes	Tells time to the hour, half hour and five minute interval. Determines elapsed time to the hour and half hour	Tells time to the hour or not at all	Not assessed at this time.
Solves problems involving measurement and estimation of temperature, liquid	Measures length and height to the nearest $\frac{1}{4}$ inch or centimeter, capacity, and mass	Measures accurately two of the following: length, height, capacity, or mass	Limited ability to measure anything	Not assessed at this time

volume, mass, or length				
Represents and interprets data using tally charts, tables, pictographs, line plots, and bar graphs	<p>Displays data on graphs, including tally charts, tables, pictographs, line plots, and bar graphs.</p> <p>Answers questions related to data and graphs and interprets graphs.</p> <p>Translates data from one graph to another.</p>	<p>Displays data on one simple graph, including tally charts, tables, and bar graphs.</p> <p>Answers simple questions or interprets simple graphs</p>	Limited ability to collect, describe, compare and interpret data using tables, charts and graphs	Not assessed at this time
Determines the area of a rectangle and applies the concept to multiplication and to addition	Determines the area using both multiplication and addition	Determines the area counting unit squares but inconsistently determines the area using multiplication	Inability to determine the area of a rectangle	Not assessed at this time.
Solves problems involving perimeters of polygons and distinguishes between linear and area measures	Consistently solves problems involving perimeters of polygons and distinguish between linear and area measurements	<p>Consistently solve problems involving perimeter of polygons.</p> <p>Inconsistently distinguishes between linear and area measures</p>	Inability to solve problems involving perimeter	Not assessed at this time.

