	Grade 3 Mathematics Performance Level Descriptors (PLDs)			
	Below Basic	**Basic**	**Proficient**	**Advanced**
Policy	Student demonstrates **minimal understanding** of and ability to apply the knowledge and skills for their grade level that are associated with college content-readiness.	Student demonstrates **partial understanding** of and ability to apply the knowledge and skills for their grade level that are associated with college content-readiness.	Student demonstrates **adequate understanding** of and ability to apply the knowledge and skills for their grade level that are associated with college content-readiness.	Student demonstrates **thorough understanding** of and ability to apply the knowledge and skills for their grade level that are associated with college content-readiness.
Standard	**Operations and Algebraic Thinking**			
Operations and Algebraic Thinking	**A student at this level** attempts to solve one-step word problems by using addition and subtraction, attempts to calculate sums and differences of whole numbers, and attempts to find unknown terms in addition and subtraction equations.	**A student at this level** **erations to multiply and divide, and c alculate and interpret whole-number products and quotients. The student can fluently multiply and divide up to 1 0 , find unknowns in multiplication and division equations, and identify rules for arithmetic patterns.**		**A student at this level** **can solve multistep word problems and apply multiple properties of operations to multiply and divide. The student can calculate, interpret, and create real-world problems involving whole-number products and quotients and explain rules for arithmetic patterns.**
	Number and Operations in Base Ten			
Number and Operations in Base Ten	**A student at this level** attempts to identify			

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	Number and Operations in Base Ten			
Number and Operations in Base Ten	**A student at this level** attempts to identify the place value name for a given digit or the digit for a given place value in a decimal to the tenths. The student attempts to add and subtract decimals to the hundredths.	**A student at this level** can identify the place value name to the thousandths and compare decimals to the hundredths. The student can multiply multi-digit whole numbers and multiply decimals to the hundredths. The student can multiply and divide by powers of ten.	**A student at this level** can reason quantitatively about the directional characteristics of place value. The student can compare decimal numbers, round to thousandths, and evaluate powers of ten using whole-number exponents. The student can multiply and divide multi-digit whole numbers and multiply and divide decimals to the hundredths.	**A student at this level** can compare three or more decimals to the thousandths, including in expanded form, and evaluate powers of ten using whole-number exponents. The student can round decimals to any place and fluently multiply and divide multi-digit numbers. The student can fluently add, subtract, multiply, and divide decimals to the thousandths.

Number and Operations—Fractions

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	Measurement and Data			
Measurement and Data	**A student at this level** attempts to calculate one-step conversions of length and attempts to identify measures of volume. The student attempts to identify perimeter and area as attributes of two-dimensional objects.	**A student at this level** can calculate one-step conversions of length and mass and create line plots consisting of unit fractions. The student can find the volumes of right rectangular prisms by counting cubes.	**A student at this level** can calculate conversions of time, length, volume, and mass and create and interpret line plots consisting of unit fractions. The student can find the volumes of right rectangular prisms and distinguish between perimeter, area, and volume.	**A student at this level** can calculate multistep conversions of time, length, volume, and mass, create line plots, and interpret multiple characteristics of line plots. The student can find the volumes of right rectangular prisms and identify the appropriate application of perimeter, area, and volume.
	Geometry			
Geometry	**A student at this level** attempts to plot points in Quadrant I and attempts to identify attributes of two-dimensional figures.	**A student at this level** can identify ordered pairs in Quadrant I and nts		

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Expressions and Equations				
	attempts to read and write expressions with variables and attempts to use trial and error to test one-step one-variable equations.	can read, write, and evaluate expressions with variables and write equivalent expressions. The student can use trial and error to test inequalities and solve one-step one-variable equations.	can read, write, and evaluate expressions with variables and whole-number exponents. The student can write inequalities, apply properties of operations to write equivalent expressions, and represent and model relationships between dependent and independent variables.	can read, write, evaluate, and compare expressions with variables and whole-number exponents. The student can understand and interpret expressions, equations, and inequalities in real-world contexts. The student can interpret and analyze relationships between dependent and independent variables in real-world contexts and translate among graphs, tables, and equations.
Geometry				
	attempts to solve word problems involving the areas of rectangles and involving the surface areas and volumes of cubes.	can solve word problems involving the areas of rectangles and triangles and involving the surface areas and volumes of right rectangular prisms. The student can identify three-dimensional objects represented as nets and use previous understanding of packing unit cubes to understand the formula for the volume of a right rectangular prism.	can solve word problems involving the areas of polygons and the surface areas and volumes of three-dimensional objects. The student can represent three-dimensional figures by using nets and find the lengths of polygonal sides d	

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	The Number System		
The Number System	A student at this level attempts to use addition, subtraction, multiplication, and division to solve one-step word problems involving positive fractions and decimals.	A student at this level can add and subtract rational numbers and add, subtract, multiply, and divide integers. The student can convert a fraction to a decimal by using long division.	A student at this level can apply understanding of fractions and decimals to

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	Statistics and Probability		
Statistics and Probability	A student at this level attempts to recognize associations in bivariate data.	A student at this level can recognize and describe associations in bivariate data and identify the line of best fit for a linear association.	A student at this level can construct and describe bivariate data and recognize, describe, and investigate patterns of association in bivariate data. The student can interpret the slope and y-intercept of

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