

Wy-ALT Performance Level Descriptors for Mathematics

Subject	Grade	Online Reporting Performance Level Descriptors (PLDs)	
Math	3-5	Advanced (448-575)	Students can apply properties of arithmetic to solve problems including numeric fractions. They can use multiplication to find area and generate numeric patterns.
		Accelerated (427-447)	Students can apply properties of arithmetic to solve problems involving whole numbers and add and subtract decimals. They can find perimeter when given side lengths.
		Proficient (390-426)	Students can apply properties of arithmetic to solve problems involving whole numbers. They can identify polygons and understand concepts of area, perimeter and volume.
		Basic (360-389)	Students can solve addition and subtraction problems but struggle with multiplication and division problems. They can compare numbers and sort polygons.
		Limited (200-359)	Students have trouble demonstrating math knowledge and skills. They struggle with tasks that involve numerals but can work with those involving objects and models.
	6-8	Advanced (470-575)	Students can model real-world situations using equations and determine equations on linear/non-linear functions. They can use ratios and proportions to solve problems.
		Accelerated (437-469)	Students understand the concept of absolute value and effects of multiplying and dividing by negative numbers. They can compute the mean, median and mode of a data set.
		Proficient (400-436)	Students can solve problems involving positive and negative numbers. They can solve simple linear equations and add and subtract fractions without models.
		Basic (370-399)	Students can apply properties of arithmetic to solve problems involving whole numbers but struggle with decimals. They can add and subtract fractions using models.
		Limited (200-369)	Students have trouble demonstrating math knowledge and skills. They struggle to add and subtract even when using concrete objects. They can match polygons.
	9-11	Advanced (477-575)	Students can justify solutions for equations. They can verify that two shapes are similar and evaluate whether a data set matches a data-generating process.

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		Accelerated (445-476)	Students can interpret expressions and use factoring to create equivalent expressions. They can determine the likelihood of outcomes numerically.
	9-11	Proficient (406-444)	Students can create equations to solve problems. They can identify equivalent numeric expressions and use words to determine the likelihood of outcomes.
		Basic (392-405)	Students have trouble solving equations involving variables and transformations. They can use number sentences to solve real-world problems and can identify angles.
		Limited (200-391)	Students have trouble demonstrating math knowledge and skills. They can determine when a line is increasing or decreasing and match shapes in different positions.