

Math Target - Mathematical Reasoning, Problem Solving

Kindergarten	First Grade	Second Grade	Third Grade	Fourth Grade	Fifth Grade	Sixth Grade	Pre-Algebra	Algebra
___ I can use math words that are appropriate.	___ I can find the answer to word problems using addition and subtraction facts to 12.	___ I can make and find the answer to add/subtract word problems using actions, objects, words, pictures, or numbers (0-20)	___ I can use manipulatives, patterns, guess and check, tables and charts, or other strategies to solve problems.	___ I can make sense of bar graphs and pictographs.	___ I can use a variety of strategies in the problem solving process.	___ I can apply different strategies to solve a problem.	___ I can use formulas to model real-life situations.	___ I can draw a diagram to help understand real-life problems.
	___ I can write or talk about different ways to find the answer to a problem.	___ I can write and say how to solve addition and subtraction word problems.	___ I can explain/show using pictures, numbers, or words how I solved addition, subtraction, multiplication, and division problems.	___ I can develop and evaluate inferences and make predictions using line and bar graphs.	___ I can use appropriate problem-solving strategies with multiple steps to solve mathematical problems using addition, subtraction, multiplication, and division.	___ I can explain/show the ways I solve a problem.	___ I can check that a number is a solution of an equation.	
	___ I can make a smart guess and check that answers make sense (objects 0-100; word problems 0-12).	___ I can guess and check the answers to word problems (0-999).	___ I can check for reasonable solutions by estimation and checking answers.	___ I can find the range, mean, median, and mode of a set of data.	___ I can explain/show the processes and procedures used to solve a problem.	___ I can interpret the reasonableness of my answer.	___ I can use equations to solve real-life problems.	
	___ I can use 1st grade math words.	___ I can use 2nd grade math language.	___ I can use grade appropriate mathematical vocabulary.	___ I can define the terms mean, median, and mode and what each does and does not indicate about the data set.	___ I can choose and use the appropriate strategies to estimate computations and check reasonableness of my answer.	___ I can distinguish between relevant and irrelevant information.	___ I can model real-life situations with algebraic expressions.	
				___ I can describe the likelihood of events.	___ I can solve grade-level appropriate problems by distinguishing relevant from irrelevant information and breaking multi-step problems into simpler parts.	___ I can prioritize information in order to solve a problem.	___ I can use a general problem solving plan.	
				___ I can predict the probability of outcomes.	___ I can use grade-appropriate mathematical vocabulary.	___ I can use grade-appropriate mathematical vocabulary.	___ I can use other problem solving strategies.	

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				_____ I can use grade-appropriate mathematical vocabulary.		_____ I know when it is appropriate to use a calculator.	_____ I can place integers on a number line.	
							_____ I can round decimals while solving equations.	