

4	Model with Mathematics	Use models to represent and solve a problem, and translate the solution to mathematical symbols. <i>(Grouping/Engaging)</i>	Use models and symbols to represent and solve a problem, and accurately explain the solution representation. <i>(Question/Prompt)</i>	Use a variety of models, symbolic representations, and technology tools to demonstrate a solution to a problem. <i>(Show Thinking)</i>
5	Use appropriate tools strategically	Use the appropriate tool to find a solution. <i>(Grouping/Engaging)</i>	Select from a variety of tools the ones that can be used to solve a problem, and explain their reasoning for the selection. <i>(Grouping/Engaging)</i>	Combine various tools, including technology, explore and solve a problem as well as justify their tool selection and problem solution. <i>(Show Thinking)</i>
6	Attend to precision	Communicate their reasoning and solution to others. <i>(Show Thinking)</i>	Incorporate appropriate vocabulary and symbols when communicating with others. <i>(Allowing Struggle)</i>	Use appropriate symbols, vocabulary, and labeling to effectively communicate and exchange ideas. <i>(Encourage Reasoning)</i>
7	Look for and make use of structure	Look for structure within mathematics to help them solve problems efficiently (such as $2 \times 7 \times 5$ has the same value as $2 \times 5 \times 7$, so instead of multiplying 14×5 , which is $(2 \times 7) \times 5$, the student can mentally calculate 10×7). <i>(Question/Prompt)</i>	Compose and decompose number situations and relationships through observed patterns in order to simplify solutions. <i>(Allowing Struggle)</i>	See complex and complicated mathematical expressions as component parts. <i>(Encourage Reasoning)</i>
8	Look for and express regularity in repeated reasoning	Look for obvious patterns, and use if/ then reasoning strategies for obvious patterns. <i>(Grouping/Engaging)</i>	Find and explain subtle patterns. <i>(Allowing Struggle)</i>	Discover deep, underlying relationships, i.e. uncover a model or equation that unifies the various aspects of a problem such as discovering an underlying function. <i>(Encourage Reasoning)</i>