

# Mathematics Practices Evidence Discussion Protocol

	Mathematical Practices	Evidence
		What are STUDENTS doing? What are STUDENTS saying?
Problem Solving	<b>Make sense of problems and persevere in solving them</b> <b>#1</b> <ul style="list-style-type: none"> <li>• Explain meaning</li> <li>• Analyze givens</li> <li>• Monitor and evaluate progress</li> <li>• Understand others' approaches</li> </ul>	
	<b>Reason abstractly and quantitatively</b> <b>#2</b> <ul style="list-style-type: none"> <li>• Make sense of quantities</li> <li>• Use quantitative reasoning</li> <li>• Know and use properties</li> </ul>	
	<b>Construct viable arguments and critique the reasoning of others</b> <b>#3</b> <ul style="list-style-type: none"> <li>• Understand stated assumptions</li> <li>• Justify their conclusions</li> <li>• Compare arguments</li> <li>• Distinguish correct logic</li> </ul>	
Reasoning and Explaining	<b>Attend to precision</b> <b>#6</b> <ul style="list-style-type: none"> <li>• Communicate precisely</li> <li>• Use clear definitions</li> <li>• Specify units of measure</li> <li>• Calculate accurately</li> </ul>	

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		What are STUDENTS doing? What are STUDENTS saying?
Modeling and Using Tools	<b>Model with mathematics</b> <b>#4</b> <ul style="list-style-type: none"> <li>• Apply mathematics</li> <li>• Identify quantities</li> <li>• Interpret results</li> <li>• Reflect on results</li> </ul>	
	<b>Use appropriate tools strategically</b> <b>#5</b> <ul style="list-style-type: none"> <li>• Consider available tools</li> <li>• Familiar with tools</li> <li>• Identify relevant resources</li> <li>• Use technological tools</li> </ul>	
Seeing Structure and Generalizing	<b>Look for and make use of structure</b> <b>#7</b> <ul style="list-style-type: none"> <li>• Look closely for pattern</li> <li>• Step back for an overview</li> <li>• Complicated things</li> </ul>	
	<b>Look for and express regularity in repeated reasoning</b> <b>#8</b> <ul style="list-style-type: none"> <li>• Notice calculation repetition</li> <li>• Look for methods and shortcuts</li> <li>• Maintain oversight of process</li> <li>• Continually evaluate</li> </ul>	