

Math Practice	Questions that Elicit the Desired Behavior
<p><b>Habits of Mind</b></p> <p><b>MP.1</b> Make sense of problems and persevere in solving them.</p> <p><b>MP.6</b> Attend to precision.</p>	<ul style="list-style-type: none"> <li>• What do you think that problem is asking?</li> <li>• How would you describe this problem in your own words?</li> <li>• What might you do to get started?</li> <li>• Share your thinking with the person next to you. What does your partner think?</li> <li>• Did your partner get the same answer? If not, can the two of you figure out why not?</li> <li>• What's the word we use for any shape with 4 sides and 4 vertices?</li> <li>• What measuring tool would give you the most precise answer?</li> <li>• Does your answer seem reasonable? Why or why not?</li> <li>• What can you do to double-check your answer?</li> </ul>
<p><b>Reasoning &amp; Explaining</b></p> <p><b>MP.2</b> Reason abstractly and quantitatively.</p> <p><b>MP.3</b> Construct viable arguments and critique the reasoning of others.</p>	<ul style="list-style-type: none"> <li>• Can you find a combination of cards that totals 20?</li> <li>• How many more do you need to make 100?</li> <li>• Which team is winning our game so far? By how much?</li> <li>• What number do you hope you spin next in this game? Why?</li> <li>• What equation might we use to represent this story problem? Does someone have a different idea?</li> <li>• What answer did you get for this problem? How did you figure it out?</li> <li>• Does anyone have a different solution?</li> <li>• Does anyone have a different strategy; a different way to solve the problem?</li> <li>• We have seen three different strategies for solving this problem. How are these strategies alike? How are they different?</li> <li>• Can you convince us?</li> <li>• Can you find a way to prove that?</li> </ul>
<p><b>Modeling &amp; Using Tools</b></p> <p><b>MP.4</b> Model with mathematics.</p> <p><b>MP.5</b> Use appropriate tools strategically.</p>	<ul style="list-style-type: none"> <li>• Can you make a sketch to show your thinking?</li> <li>• Can you label your sketch with numbers?</li> <li>• What equation might we use to represent this situation?</li> <li>• Would you prefer to use base ten pieces or a number line sketch to help solve this problem?</li> <li>• How might you use the number rack to show this situation?</li> <li>• Would you rather use the number rack you made with beads or the number rack app on your tablet today? Why?</li> </ul> <p style="text-align: right;"><i>Continued</i></p>
<p><b>Structure &amp; Generalizing</b></p> <p><b>MP.7</b> Look for and make use of structure.</p> <p><b>MP.8</b> Look for and express regularity.</p>	<ul style="list-style-type: none"> <li>• What do you notice (about this chart, picture, pattern, problem, etc.)?</li> <li>• Do you see any patterns here; anything that repeats over and over?</li> <li>• What might come next? Why?</li> <li>• What do you predict will happen? Why?</li> <li>• How is this problem like the one we just solved? How is it different?</li> <li>• Does that always work? Why or why not?</li> <li>• How are these shapes alike? How are they different?</li> <li>• What do you notice about the numbers in this list?</li> <li>• If you mark all the counting-by-3s numbers on this grid, will you land on 100? Why or why not? What if you mark all the counting-by -5s numbers?</li> </ul>