

## Question Types

Types and Purpose of Questions	Focusing Thinking	Assessing Thinking	Advancing Thinking
<p><b>What it does</b></p>	<ul style="list-style-type: none"> <li>▪ Talks about issues outside of math in order to enable links to be made with mathematics.</li> <li>▪ Helps students to focus on key elements or aspects of the situation in order to enable problem-solving.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Ask students to articulate, elaborate, or clarify ideas.</li> <li>▪ Enables correct mathematical language to be used to talk about them.</li> <li>▪ Rehearses known facts/procedures. Enables students to state facts/procedures.</li> <li>▪ Requires immediate answer.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Extends the situation under discussion to other situations where similar ideas may be used.</li> <li>▪ Makes links between mathematical ideas and representations.</li> <li>▪ Points to relationships among mathematical ideas and other areas of study/life.</li> <li>▪ Points to underlying mathematical relationships and meanings.</li> </ul>
<p><b>What is sounds like</b></p>	<ul style="list-style-type: none"> <li>❖ What is the problem asking you?</li> <li>❖ What is important about this?</li> <li>❖ What games have you played where you used . . . ?</li> <li>❖ What is a . . . ? (reference to context of problem)</li> </ul>	<ul style="list-style-type: none"> <li>❖ How could you record what you just told me?</li> <li>❖ How could you use a . . . to help you record what is happening?</li> <li>❖ How did you get our answer?</li> <li>❖ How do you know you are correct?</li> <li>❖ What is this called?</li> <li>❖ How would you use an equation to record what you just told me?</li> </ul>	<ul style="list-style-type: none"> <li>❖ How would this work with other numbers?</li> <li>❖ How do you know whether or not this pattern always works?</li> <li>❖ In what other situations could you apply this?</li> <li>❖ How are . . . and . . . related?</li> <li>❖ What other patterns do you see?</li> <li>❖ Where else have we used this?</li> </ul>