

Question Types

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