

Questions for Teachers

Two questions teachers should ask themselves about every lesson:

1. When planning a lesson, ask, “How will this lesson help students understand the content?” and, “What strategies will I use and what questions will I pose to help students develop the understanding I desire?”
2. After the lesson, ask, “What is it that students understand?”, “What misconceptions do students have?”, and “What evidence can I provide to substantiate my observations?”

Questions you may wish to ask teachers:

1. What are the key concepts being developed in the activity? (What is the significant mathematics in this lesson?)
2. How will this lesson help students understand the mathematical content?
3. Describe each of the 3 parts of your lesson, Launch, Explore, Summarize.
4. What are the key elements of the lesson that help students make sense of the mathematical concepts being taught?
5. What are the key questions that will help you diagnose student thinking and monitor student learning?
6. What did students learn? What evidence can you provide that to support your observations? (How do you know?)
7. How deep is student understanding? (at this point in the development of the concept(s)?)
 - What did they understand before the lesson?
 - How will your next lesson extend their understanding?
 - What misconceptions do students have – if any?
8. If you were to teach this lesson again, how would you change it? Why?