



Implementing the Mathematics Common Core

Module 1-3

What can teachers do to help students deepen their own reasoning and engage with the reasoning of others?





“Wow” and “What if”

Thinking of the lesson that you modified during our last session and taught prior to this session:

1. What were some “Wows” that you had?
2. What were some “What ifs...” or things you might do differently?

Keep the guiding questions in mind as you respond.



Broken Calculator

How might you make 12 if the “1” digit key on the calculator is broken?

Explain how you can solve this expression without using the digit 1.



Four Steps Toward Productive Talk

Helping Individual Students Clarify and Share Their Own Thoughts

Helping Students Orient to the Thinking of Others

Helping Students Deepen Their Own Reasoning

Helping Students Engage with the Reasoning of Others



Essential Questions

- What strategies can we use to enhance our instruction so students learn mathematics with understanding?
- What does this look and sound like?

Objective

- Explore tools to enhance Mathematics CCSS instruction through discussion and learning opportunities.



Making Connections

What can teachers do to help students deepen their own reasoning and engage with the reasoning of others?



What is reasoning?