

FUNDAMENTAL QUESTIONS

Here are some fundamental questions you can use to explore students' responses:

- **Tell me how you did that.**
- **Why is that true?**
- **How did you reach that conclusion?**
- **Does that always work? Why or why not?**
- **How could you prove that?**
- **What assumptions are you making?**
- **What would happen if...? What if not...?**
- **Do you see a pattern? What is it? Explain.**
- **How did you think about the problem?**
- **How is your method like his/hers? How is it different?**
- **How does this relate to...?**
- **What ideas that we've learned before were helpful in solving this problem?**

When students are working together, you can ask questions like:

- **What do you think about what James said?**
- **Do you agree? Disagree? Why? Why not?**
- **Does anyone have the same answer but a different way to explain it?**