

What Do Mathematicians Do?

- Look for more than one way to solve a problem.
- Organize their thinking and their strategies.
- Look for other ideas (relationships) hidden in the numbers.
- Meet and share ideas with other mathematicians.
- Give feedback to others to help improve their thinking.
- Look for new ideas in other people's thinking.
- Work together on new ideas.
- Ask each other to prove their thinking (How do you know?)
- Prove their idea or strategy works by using another strategy to get to the same result or conclusion.
- Listen to different ideas and think about making sense of them.
- Ask genuine questions about different math ideas.
- Persevere and try new things.
- Take risks, make mistakes and learn from your experiences.
- Support each other.

