

# How to Do Math Argumentation

## Conjecturing

- Look for math patterns that make sense to you.
- Think about more than just one case.
- Be creative.
- Don't judge other people's conjectures.

## Justifying

- Look for reasons why a conjecture is true or false.
- Consider examples and counterexamples.
- Build off of other people's ideas.
- Generalize.
- Try to convince others of your ideas, but keep in mind that you could be wrong...which is OK.

## Concluding

- End an argument when your class is convinced that the conjecture is true (or false).