

Name: \_\_\_\_\_

Date: \_\_\_\_\_



**Think**

Think of a time when you argued with someone (friend, sibling, parent, teacher, etc.). How did you prove you were right? How can you relate this to a mathematical argument? Talk about this with your group, and ultimately come up with a definition for a mathematical argument.



**Talk Idea**

- Explained my thinking
- Consulted with other people (eye-witnesses)
- Had other people back me up
- Showed proof (text message, newspaper, online)
- Explained why other person was wrong
- I yelled at them




**Talk Idea**

- Mathematical argument is different from a regular argument because it has math in it
- It is the same because you still have to prove you are right and get people to agree with you



**Talk Idea**

- A mathematical argument is when you prove you are right about a math problem by showing your steps and what you did.



**We Understand**

We understand that a mathematical argument has a claim, evidence, and warrant. When beginning your argument you must clearly state which side you are taking. Once you state your claim, you need evidence. Your evidence should include mathematical equations, pictures, diagrams, vocabulary, or any other representation/explanation to support your claim. Your warrants are a way to justify your claim and evidence. This includes theorems, properties, or mathematical rules.