

UNIT 1 - LESSON PLANS

Class Pre-Algebra Topic Inductive Reasoning

Lesson 9 Of 1

Objective

Students will:

- Make conjectures and build a logical progression of statements to explore the truth of their conjectures.
- Analyze situations by breaking them into cases, and can recognize and use counterexamples

I can make conjectures and build a logical progression of statements to explore the truth of their conjectures.

"I Can" Statement

I can analyze situations by breaking them into cases, and can recognize and use counterexamples.

Common Core Standards

Standards for Mathematical Practice

Mathematically proficient students understand and use stated assumptions, definitions, and previously established results in constructing arguments.

They make conjectures and build a logical progression of statements to explore the truth of their conjectures.

They are able to analyze situations by breaking them into cases, and can recognize and use counterexamples.

They justify their conclusions, communicate them to others, and respond to the arguments of others.

They reason inductively about data, making plausible arguments that take into account the context from which the data arose.

Mathematically proficient students are also able to compare the effectiveness of two plausible arguments, distinguish correct logic or reasoning from that which is flawed, and—if there is a flaw in an argument—explain what it is.

Bell Work

See 1-9 Bell work

Procedures

1. Start and lead student discussion related to the bell work.
2. Distribute the Guided Notes

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3. Present lesson or play a video lesson.
4. Use an Online Activity if time permitted.
5. Distribute Lesson Assignment.

Assessment

Bell Work 1-9
Assignment 1-9
Exit Quiz 1-9

Additional Resources

See Online Activities