

GENERALIZE

Aha! I can use math to show why... is always true...

JUSTIFY

why

Area is $(3 \times 5) \div 2$ Area is 3×5

Connections

Metacognition

Reflection

Disequilibrium

REGULARITY
patterns
STRUCTURE

Mistakes & Stuck Points

Good places to start

Mathematical REPRESENTATIONS

Persevere & SEEK MORE

This isn't making sense YET... What if I try...

I figured it out! Now I wonder...

Habits of Mind

GENERALIZE

Aha! I can use math to show why... is always true...

JUSTIFY

why

Area is $(3 \times 5) \div 2$ Area is 3×5

Connections

Metacognition

Reflection

Disequilibrium

REGULARITY
patterns
STRUCTURE

Mistakes & Stuck Points

Good places to start

Mathematical REPRESENTATIONS

Persevere & SEEK MORE

This isn't making sense YET... What if I try...

I figured it out! Now I wonder...

Habits of Mind

Habits of Interaction

COMPARE

our LOGIC & IDEAS

Compare Jones's Way, My Way, and Your Way.

MATH REASONING is the Authority

Based on these arguments... that idea makes sense.

EXPLORE

Multiple Pathways

Listen to Understand

REVOICE: Here is what I heard...

INTERPRET: Is this what you mean...?

Genuine Questions

What is your idea?

What do you think?

EXPLAIN

My Reasoning...

CRITIQUE & DEBATE

Relating to the distributive property helped...

I disagree because it contradicts what we learned about...

Purposeful Private Reasoning

Before I hear from you, I need to think...

Hmmmm... What are my ideas?

COMPARE

our LOGIC & IDEAS

Compare Jones's Way, My Way, and Your Way.

MATH REASONING is the Authority

Based on these arguments... that idea makes sense.

EXPLORE

Multiple Pathways

Listen to Understand

REVOICE: Here is what I heard...

INTERPRET: Is this what you mean...?

Genuine Questions

What is your idea?

What do you think?

EXPLAIN

My Reasoning...

CRITIQUE & DEBATE

Relating to the distributive property helped...

I disagree because it contradicts what we learned about...

Purposeful Private Reasoning

Before I hear from you, I need to think...

Hmmmm... What are my ideas?