# Learning Cycle Questions
to promote discourse

**ST Math®**
Created by MIND Research Institute

## Notice

What do you notice on the screen?

What can you click on?

## Predict

What do you think the puzzle is asking you to do?

What are we trying to find out?

What can I click on?

What should I try?

What would happen if . . .

What is the relationship between . . .

Where should I begin?

## Analyze

*Pause the animation by double clicking in the sky.*

Describe what happened.

What did the animation show us?

Why didn't our solution work?

What have you already tried?

Why is your prediction reasonable?

What other solutions could we try?

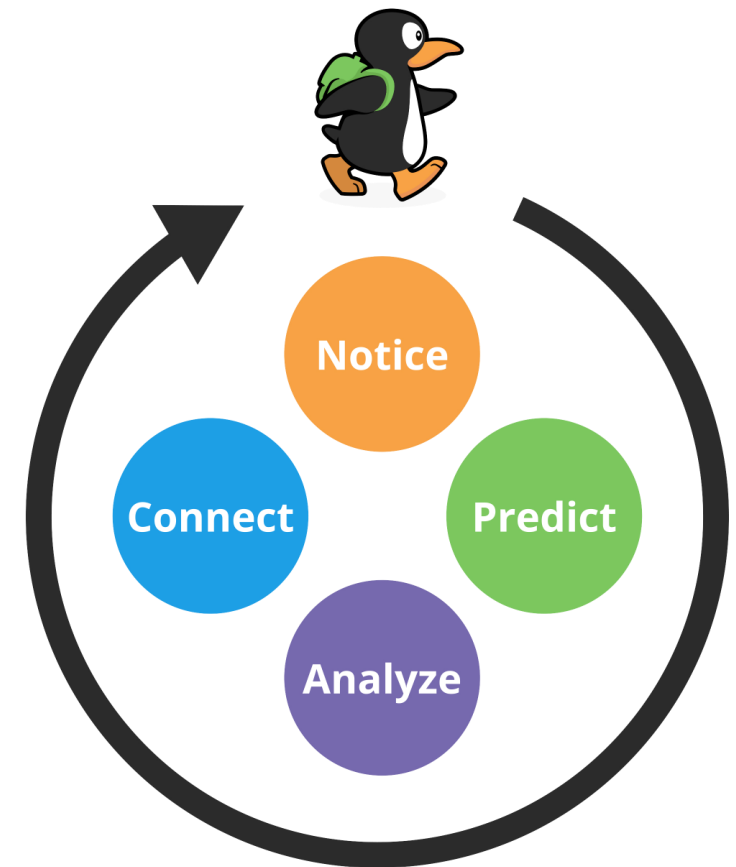## Connect

What other math ideas does it make you think of?

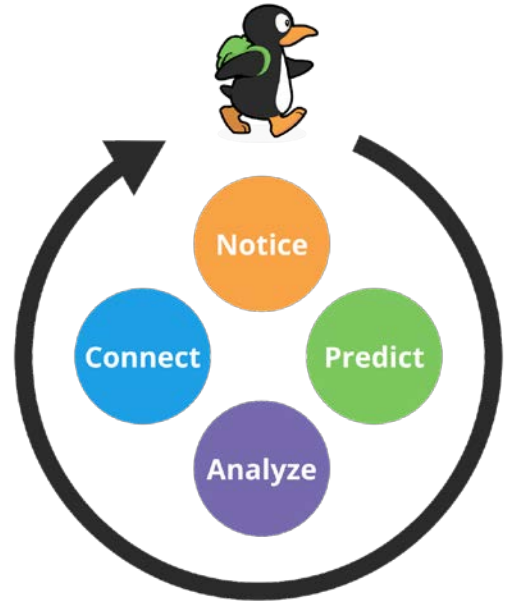How is this problem like___?

What else can you do now?

Explain how the problem was solved.

What steps did we need to take to solve the problem?

What math rule is this like?

# Learning Cycle Sentence Stems

## Notice

I notice…

I can click on…

## Predict

I think the puzzle is asking us to…

I think ___ will happen because…

I agree with that solution because…

I disagree with that solution because…

I solved the puzzle a different way…

## Analyze

The solution was correct because…

The solution was incorrect because …

## Connect

This puzzle reminds me of…

The math words I see in this game are ___ because …

Another way you could represent the puzzle is …