

What did you notice about how the facilitator used the Problem Solving Process? (see bookmark on right)

What engagement strategies did you observe?

How was mathematical discourse promoted?

Reflect on the Puzzle Talk you observed and briefly summarize your experience. What questions do you have?



## PROBLEM SOLVING PROCESS

### NOTICE & WONDER

**Focus** students' thinking about the problem.

- What do you notice?
- What do you wonder?
- What question is the problem asking?

### PREDICT & JUSTIFY

**Uncover** students' thinking around how they plan to address the problem.

- What is your prediction?
- What strategy will you use to test it?
- What do you think will happen when you test your prediction and why?

### TEST & OBSERVE

**Encourage** students to observe and process the results of testing their hypothesis.

- Test your hypothesis.
- Describe what happened.

### ANALYZE & LEARN

**Facilitate** students in analyzing the feedback/results.

- How does this compare to what you thought would happen?
- What did you learn?
- How will you use what you learned?

### CONNECT & EXTEND

**Stretch** students' thinking.

- How does what you learned support your understanding of [the concept]?
- What would happen if \_\_\_\_\_?
- How would you apply this concept to [this] situation?

[Problem Solving Process Resources](#)