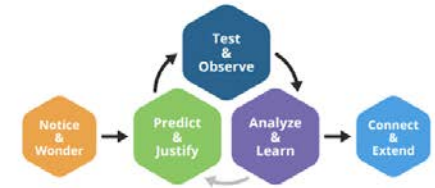


Grade	Objective	Game
Standards		Materials

**Directions:** Identify the level and type of puzzles you will use for your Puzzle Talk. Use the Notes and Math Connections section to plan how you will facilitate mathematical discourse with your students. Optional resource: [Game Mats](#), [Math Mats](#)

Level & Puzzles	Notes and Math Connections



## 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?