

# Puzzle Talk - Grade 2

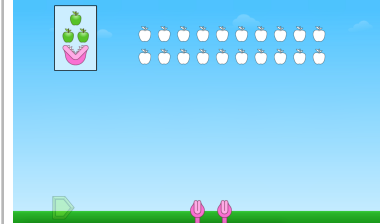
## Fruit Monster (Level 1)



These facilitation suggestions are what a student-led discussion might look like when looking at puzzles in Level 1. Depending on how students respond, it likely would take one session for Level 1.

### Description

- **Puzzle Location:** Grade 2 > Even and Odd Numbers > Fruit Monster > Level 1
- **Topic:** Make equal groups
- **Purpose of the Puzzle Talk:** Focus on student thinking and developing problem solving skills using guiding questions for each step in the Problem Solving Process
- **Preparation:** View the [Game in a Minute](#) video
- **Gather Materials:** Provide students with a whiteboard and a dry-erase marker with an eraser



[click here for puzzle](#)

### Notice and Wonder

- Display the first puzzle from Level 1.
- Ask students: "What do you notice? What do you wonder about this puzzle?"
- Allow a few students to share their thinking with the whole class.

### Predict and Justify

- Ask students to think individually about how they could solve the puzzle, then turn and share with a partner before sharing as a class.
- Students should provide mathematical reasoning for the idea they want to try. They can use their whiteboard to illustrate their strategies.
- As students share their strategies, list these ideas for the class to consider.

### Test and Observe

- Select one of their solutions to try.
- Solve the puzzle and have students describe what happened.

### Analyze and Learn

- Ask students to think about how what they saw happen compares to their prediction.
- What did they learn from the feedback? Is it different from what they thought would happen?
  - If the puzzle was correct, discuss why the strategy used was successful.
  - If the puzzle was incorrect, analyze what happened and consider how to adjust the strategy to try again.
- Show students another puzzle in Level 1.
- Give students counters (optional) to help. Ask students questions such as:
  - "What information does the key on the top left give us?"
  - "How many fruit monsters are there in the ground?"
  - "How many fruits does each fruit monster get? How much is that in total? How do you know?"
  - "What happens if you add 1 fruit monster? 2 fruit monsters? How much fruit do we need to add? How much is that in total? How do you know?"
- Have one student share their idea and test this solution.
- Repeat with additional puzzles in Level 1.