

# PUZZLE TALK

## ENGAGEMENT STRATEGIES



### One Word Popcorn

- Take 30 seconds to observe and notice puzzle details.
- Have one student share a noticing, then circulate or let students choose each other to build a list of noticings.



### Partner Talk

- Students discuss with a partner - each shares their thoughts then they compare their ideas.
- Students try to convince their partner to adopt their idea.



### Voting

- Share strategies and ideas and vote on which ones to try.
- Students share why they think the strategy they voted for is best.



### Strategy Compare

- After sharing strategies with their partner or group, students compare ideas and ask clarifying questions.
- Students decide which strategy is best and explain why.



### Think - Ink - Pair - Share

- Pose a question and give students time to think, then have them draw or write their ideas.
- Students share their thinking with a partner using their illustration. Then, discuss and compare as a whole class.



### Gallery Walk

- Students work independently, in pairs, or in groups to illustrate their thinking, then display their work.
- Students walk around to view other solutions and models and find a way to solve the puzzle different from their own.



### Strategy Selection

- As students work, move around to identify interesting strategies or thinking to highlight.
- Star or number the boards to discuss as a whole group; call the student(s) up in the corresponding order.