



PROBLEM SOLVING PROCESS

When your students struggle with...

Getting Started

- What do you need to do to solve this problem?
- What do you know about this problem and what do you need to know?
- What question is this problem asking you to solve?
- How might you begin?

Identifying and Testing Strategies

- What is your strategy? Why is that the best strategy?
- What will happen if you click on _____?

Persevering

- Is there anything you learned from those earlier levels that can help you now?
- Is this like _____ that you did earlier? How is it the same? How is it different?
- What have you tried? What happened?
- What did you try that did not work? Why did it not work?
- What do you already know about (concept/problem)?

Learning from Feedback

- What did you learn from the feedback?
- What do you need to do next?
- What did you see that showed you the answer was wrong?
- Explain why your answer was correct or incorrect.
- How did the earlier problems/levels work?

Extending and Connecting

- Please explain it in a different way.
- Is there another way to solve this puzzle?
- Which strategy is most efficient?
- Can you represent this puzzle symbolically?
- Show me how this will work on the next problem.
- Why did you _____?