



MONITOR & ADJUST

For students to become mathematically proficient (that is, understand math deeply), they need to be able to analyze and review their methods as they work, correcting any miscalculations they might have made. This is called *monitoring* progress. When students recognize that they've made a mistake, they can *adjust* the method they used to find a solution, the equation they used, or both, if necessary.

Students should always ask themselves these three questions when working to solve a problem:

- *Does my method and/or my solution make sense?*
- *How do I know this to be true?*
- *Would I be able to explain my work to someone else?*

How You Can Help Your Child with This Strategy at Home

1. Ask your child to share their completed math homework with you. Look over their work and ask them to explain how they solved one or two of the problems. If you see any errors, ask your child to explain how they found the solution, to see if they recognize where the mistake was made. If they don't, help them understand the mistake, and work together to fix it.
2. Model a problem for your child. As you solve, stop to think out loud by asking yourself the following questions:
 - a. *Does this make sense?*
 - b. *How do I know?*