

A Parent's Guide to the Standards of Mathematical Practice

As your child works through homework exercises, you can help him/her develop and apply the eight Mathematical Practices by asking some of these questions:

1. Make sense of problems and persevere in solving them.

- What problem are you asked to solve?
- Have you solved similar problems?
- What is your plan for solving the problem?
- Did you use a different method to check your answer?

2. Reason abstractly and quantitatively.

- Can you think of a number sentence (equation) to match the story (situation)?
- What do the numbers in the number sentence mean?
- How are the facts in the problem related to one another?

3. Construct viable arguments and critique the reasoning of others?

- What does your answer mean?
- How can you be sure that your answer is correct?

4. Model with mathematics.

- What number sentence (equation) describes the problem?
- What numbers will you use to solve the problem?
- How are the numbers in the problem connected?
- Is your answer reasonable?
- What does your solution represent?

5. Use appropriate tools strategically.

- What tools can help you solve this problem?
- Which tool is the most useful for this problem? Why is that your choice?
- Did you begin by estimating the solution?

6. Attend to precision.

- What do the symbols that you used mean?
- What units of measure are you using?
- Explain what [term from the lesson] means.

7. Look for and make use of structure.

- What do you notice about the solutions you've just completed?

8. Look for and express regularity in repeated reasoning.

- Are there shortcuts for solving similar problems?

Did you just ask, "What's **NEW?**"



Just for starters,
here are 10
important ways
enVisionmath2.0
is **NEW!**

1. A new scope and sequence - all content at every grade is organized by **Critical, Important, and Additional Content** because this best promotes connections necessary for understanding.
2. A new format supports students in documenting their thoughts in both a digital and print workspace (**consumable student edition**).
3. **Visual Learning Animation Plus** includes new interactivities to build understanding through classroom conversations and increase student engagement. **Another Look Homework Videos** continue that support during homework with anywhere, anytime access through **BouncePages** on your mobile device.
4. Problem-based learning, **Solve and Share**, is now the 1st step of every lesson at all grades (print and digital) with strong teaching support to ensure effective implementation.
5. **Homework and Practice** built right into the student's edition saves teachers time and promotes computational thinking, fluency, and applications through rich problem solving.
6. **Practice Buddy powered by Math XL**, personalizes a student's practice and homework experience; ensures they are not practicing a skill or concept incorrectly; and provides teachers with instant, data-driven information on what students do and do not understand.
7. **Differentiated Centers** through multiple modalities - new Math Tools, Math Games, Math and Science Activities, Problem Solving Reading Activities, Today's Challenge promote reasoning and application and ensures all students show progress.
8. Students have increased opportunities to demonstrate understanding in all assessment modalities through **online TestNav™** and print in the form of the **ISTEP**.
9. **New, explicit instructional models** help students develop and eventually master the Standards for Mathematical Practice and develop the fluency and academic vocabulary necessary to be successful on the upcoming assessments.
10. Expanded use of **PearsonRealize.com** offers greater flexibility in navigation, assigning resources, searching, customization, planning, assessing, and analyzing data.

Thanks for asking!

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