

THE MATH CHALLENGE

Teaching to the Core will require more.

Common Core STANDARDS FOR MATHEMATICAL PRACTICE

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

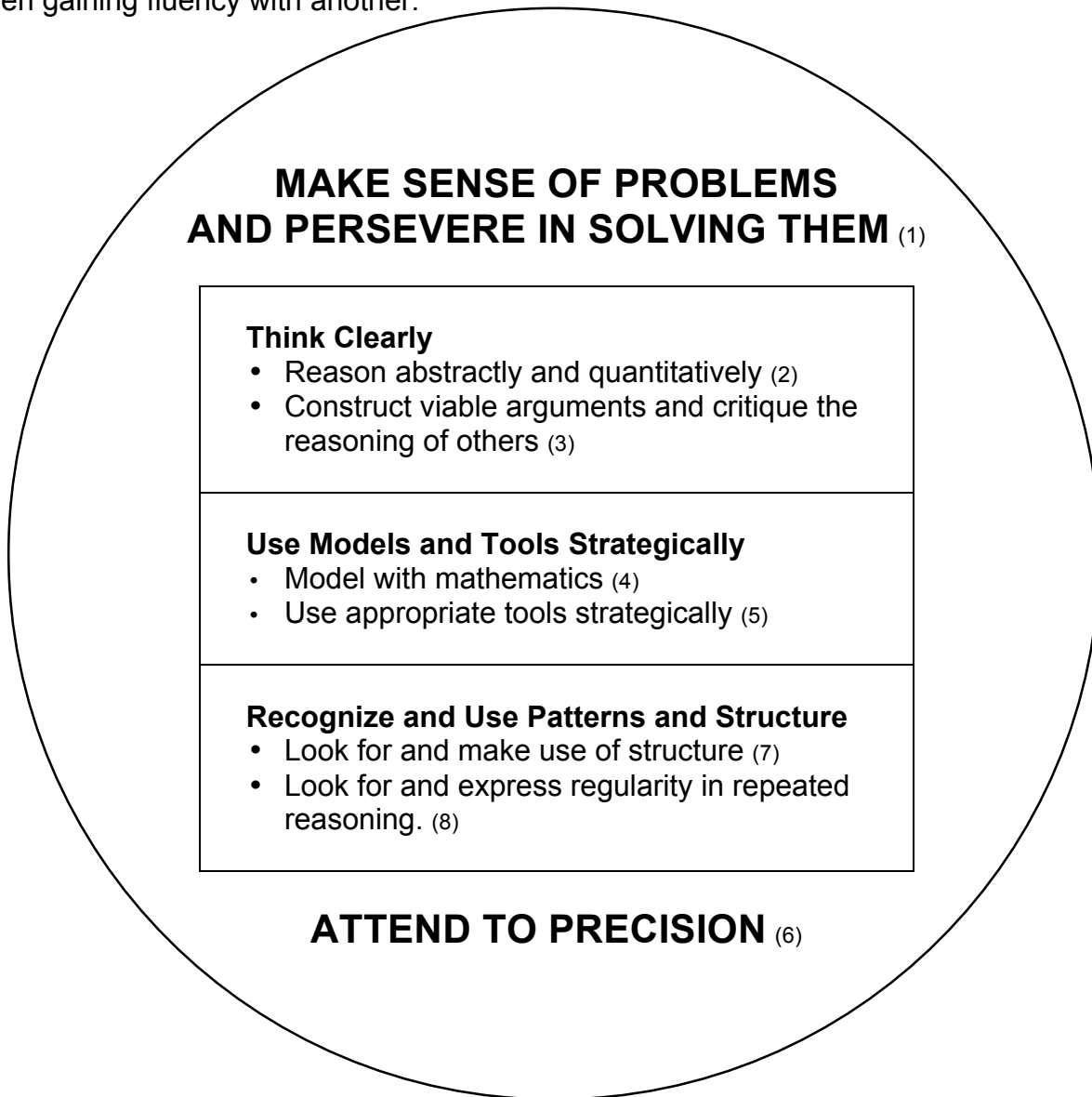
What do those practice standards mean?

That finding an answer is not the destination—it's how you get there and the patterns you find as you solve a problem.

Strategic Problem Solvers Apply the Common Core Math Practice Standards

It's about thinking clearly.

Two of the standards are essential every time students solve any problem, so they are outside the boxes. The standards in the boxes are important, but students need to move into the standards progressively, making one standard a continuing habit and then gaining fluency with another.



This diagram by the Center for Urban Education is based on "Grouping the SMPs" (McCallum 2011), Supporting Student Success, the Indiana Department of Education.