

# Common Core Standards in

# MATHEMATICS

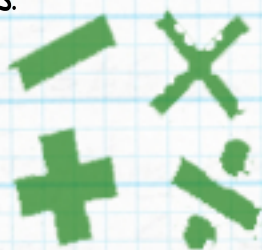


In math classrooms, the emphasis will be on the Mathematical Practice Standards as well as the Three Common Core Shifts for Mathematics.

## FOCUS



It is a move away from the "mile wide, inch deep" approach. Instead, the focus is on what the standards are for each course and provides students with the time they need to practice and master concepts.



## Mathematical Practice Standards

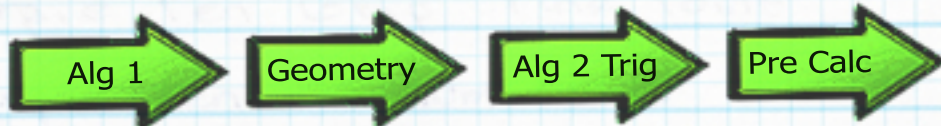
Students will be able to:

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; and
8. Look for and express regularity in repeated reasoning.

## COHERENCE

This will link major topics between and within courses. By doing so, students will...

- Recognize that what is covered in Unit 1 can be used to solve new problems in Unit 5.
- See more closely how concepts fit together.
- See the progression and flow of ideas from one year to the next.



## RIGOR

Rigor is not simply harder problems or more problems; it is a balance of the following...

1. Conceptual Understanding - Move away from the answer getting (tricks/methods) and into mathematical understanding so that students can apply their skills in any situation.
2. Procedural Skill & Fluency - The standards require that students demonstrate speed and accuracy in calculation. Memorization of facts will continue to occur in math.
3. Application - Apply math skills to real-life situations.