

Parents, here are some necessary, beginning of the year, Math skills that we will be working on here at ACA with your Middle Schooler, Grades 5th-8th.

The Indiana Academic Standards for Mathematics, as defined by the Indiana Department of Education, consist of domains that vary per grade level and course. The skills listed in each domain indicate what students should know and be able to do in Mathematics at each grade level or course. The Process Standards demonstrate the ways in which students should develop conceptual understanding of mathematical content, and the ways in which students should synthesize and apply mathematical skills

- PS.1: Make sense of problems and persevere in solving them.
- PS.2: Reason abstractly and quantitatively.
- PS.3: Construct viable arguments and critique the reasoning of others. Mathematically proficient students understand and use stated assumptions, definitions, and previously established results in constructing arguments.
- PS.4: Model with mathematics.
- PS.5: Use appropriate tools strategically.
- PS.6: Attend to precision.
- PS.7: Look for and make use of structure. Mathematically proficient students look closely to discern a pattern or structure.
- PS.8: Look for and express regularity in repeated reasoning.

