



## Calendar of Events:

May 19-30  
Testing Window

June 10-12  
Math CAMP

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# Friday Focus

## CARTER COUNTY SCHOOLS

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### The 8 Math Practices

**Simply finding the answer is only one part of math.**

Would I rather my students know how to solve a long division problem with the standard algorithm or be able to understand whether their quotient is reasonable once they've arrived at a solution? The mathematical practices outlined in the Common Core Standards are asking us to take our students on a journey deep into mathematics where they are not only mastering the skills of multiplication and solving linear equations...they are acquiring dispositions that transform them into problem solvers.

#### Mathematically Proficient Students



These practices are a guide to good math instruction. Textbooks, objectives, and grade levels may vary but the foundations of reasoning and problem solving outlined by NCTM and the Common Core are the building blocks of mathematical proficiency. These practices are applicable in a variety of learning situations and opportunities for students to demonstrate them should be a routine part of your class design. Please view the **Inside this Issue** links for more information on how to use the math practices in your classroom.

### Answering Math Constructed Response Questions

There are two types of math constructed response questions: Short Response and Extended Response. For both types of questions, it is VITAL that students produce work that meets certain criteria.

Students must demonstrate a complete understanding of the content. They must also attend to precision in their work. Students must label answers, tables, graphs, etc. This includes giving titles to charts and graphs, labeling the x and y axis, etc. Furthermore, students should use math vocabulary in their responses. Use of strong vocabulary will increase their ability to demonstrate a clear and complete understanding of the math content covered by the question.

Accuracy is CRITICAL when answering mathematics constructed response questions. Remember, demonstrating a clear and complete understanding is one of the most important criteria for showing proficiency. For this reason, students should check and recheck work. Students who attempt to give extensions to work must do so with precision because any errors will be seen as lapses in understanding.

What is a good proficiency checklist? Accuracy, precision, vocabulary, and the ability to demonstrate clear and complete understanding.