



Knight Scholar Summer Math

In order to keep our Knight Scholars' minds active during the summer and not relax our mathematical muscles, the math department has concluded that summer practice is needed in the following areas:

Seventh Grade: Fraction and Decimal Computation and Manipulation Using Ratios and Percentages

Students will complete the problems in the pages that follow in order to complete the summer math assignment. They are expected to complete the packet by the first day of school. It will be the very first grade to start your school year, let's make it a great one!

You must show your "work" (process/strategy) for every problem set. Your answers should include correct units, if applicable. Packets will NOT be accepted without proof of an effective strategy (answer sheets are provided). The expectation is that you know how to complete these types of problems on your own and without the aid of a calculator.

Please read the information in regards to the importance of showing work here:

<https://brownmath.com/stfa/showwork.htm>

If needed, please consult the following websites for assistance:

www.khanacademy.org

www.patrickjmt.com

www.wolframalpha.com

www.mathisfun.com

MATH
MAKES YOUR
LIFE ADD UP!

Simply type what you are seeking help with in the search bar to learn more about the concept or to watch a video on it.

Finally, remember that, "Holy Cross Students regard learning as a duty, intellectual perfection as an honor...". Therefore, Knight Scholars never cheat themselves out of being successful by attempting to copy someone else's work. This packet is to help you be ready for the upcoming school year, and help your teachers know what you can do with ease.

Have a wonderful summer...that now includes some Holy Cross math!

Week of July 9th:

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-ratios-intro/v/ratios-intro>

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-ratio-word-problems/v/ratios-on-coordinate-plane>

Week of July 16:

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-rates/v/introduction-to-rates>

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-percent-ages/v/describing-the-meaning-of-percent>

Week of July 23:

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-percent-decimal-conversions/v/representing-a-number-as-a-decimal-percent-and-fraction>

Week of July 30:

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-percent-problems/v/finding-percentages-example>

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-percent-word-problems/v/percent-word-problems>