

Middle School Summer Math

Dear students,

It is always good to keep your math skills sharpened over the summer. You have the opportunity to do that by doing the summer math work as listed in this letter. I have the links to Khan Academy for each grade level printed below this message. You will be practicing the concepts you have already learned in the previous grade. You may practice the concepts for about 20 minutes a day for at least 3 days a week. This activity is strongly encouraged as it will help you review the concepts that you did not grasp well during the school year. Enjoy your summer and stay safe!!

In Christ,

Mrs. Thangaraj

5th grade:

Practice addition, subtraction, multiplication (up to the 12th tables), and division facts (up to the 12th tables), 3 days a week for 15 minutes. You may use flash cards or print out worksheets from <https://www.math-drills.com/> and fill them out. Time yourself. You should be able to finish each worksheet within 3-5 minutes.

<https://www.khanacademy.org/math/cc-fourth-grade-math>

Practice the place values, addition, subtraction, multiplication and division, decimal and fraction concepts. Click on each concept and then do the practice sections first. If you got all the questions right in each section, move on to the next concept. If you need to relearn a concept, watch the video and then redo the practice sections.

6th Grade:

Practice addition, subtraction, multiplication (up to the 12th tables), and division facts (up to the 12th tables), 3 days a week for 15 minutes. You may use flash cards or print out worksheets from <https://www.math-drills.com/> and fill them out. Time yourself. You should be able to finish each worksheet within 3-5 minutes.

<https://www.khanacademy.org/math/cc-fifth-grade-math>

Practice the decimal place values, decimal and fraction concepts, multiplication and division. Click on each concept and then do the practice sections first. If you got all the questions right in each section, move on to the next concept. If you need to relearn a concept, watch the video and then redo the practice sections.

7th Grade:

Practice addition, subtraction, multiplication (up to the 12th tables), and division facts (up to the 12th tables), 3 days a week for 15 minutes. You may use flash cards or print out worksheets from <https://www.math-drills.com/> and fill them out. Time yourself. You should be able to finish each worksheet within 3-5 minutes.

<https://www.khanacademy.org/math/cc-sixth-grade-math>

Practice arithmetic operations, ratios, rates and percentages, negative numbers, properties of numbers, solving equations. Click on each concept and then do the practice sections first. If you got all the questions right in each section, move on to the next concept. If you need to relearn a concept, watch the video and then redo the practice sections.

8th Grade: Pre-Algebra & Algebra 1 Classes

<https://www.khanacademy.org/math/cc-seventh-grade-math>

Practice addition, subtraction, multiplication, and division of integers (negative and positive numbers), fractions, decimals, percentages, rates and proportions, expressions, equations, and geometry. Click on each concept and then do the practice sections first. If you got all the questions right in each section, move on to the next concept. If you need to relearn a concept, watch the video and then redo the practice sections.

9th grade:

<https://www.khanacademy.org/math/algebra>

Practice Algebra foundations, solving equations and inequalities, working with units, linear equations and graphs, forms of linear equations, systems of equations and inequalities, functions, exponents, exponential growth and decay, and Quadratics: multiplying and factoring. Click on each concept and then do the practice sections first. If you got all the questions right in each section, move on to the next concept. If you need to relearn a concept, watch the video and then redo the practice sections

Parent confirmation:

My child _____ going into _____ grade completed the summer math work as listed above for his grade level.

Parent's Signature: _____