

During your summer break, the math teachers at Dr. Martin Luther King Jr. Middle School would like you to apply what you have learned this year toward your everyday summer life. On the back side of this paper, you will find 25 different activities that will guide you to practice some of the concepts you learned this year. You are to complete 15 of the activities and have your parent initial each square that you have completed. You will notice that some of the squares allow you to practice your math facts. [www.xtramath.org](http://www.xtramath.org) is a free website where you can create a log-in and practice addition, subtraction, multiplication and division facts. When you master a set of facts, print out a certificate of completion and attach it to this sheet.

**In order for receive full credit for this assignment, please attach all work to this form.**

**Due Date: September 2, 2016**

**Deadline: September 9, 2016**

Once you have finished completing 15 of the 25 squares, please answer the questions below using complete sentences.

1) Which square was the easiest to complete? Why do you think it was easy for you?

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2) Which square was the most difficult to complete? Why do you think it was so challenging for you?

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3) Pick a square you did not complete. Why did you choose not to complete it?

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**Students Entering  
C2.0 Math 6**



**Summer Math  
Homework**

<p>Calculate the cost of gas for a long a car trip. (i.e. Going to the beach or NYC)</p>	<p>Look for at least 5 different places where you see/use decimal numbers. Talk to your parents about reasons why decimals must be used instead of only using whole numbers.</p>	<p>Research the Fibonacci Sequence. Use what you learn to teach a friend about this sequence. Wow your friend by showing him/her an example of how it is found in nature!</p>	<p>Take photos of 3 quadrilaterals and 3 triangles you encounter over vacation. Classify them appropriately.  (i.e. Equilateral triangle, rhombus...)</p>	<p>Create an account on <a href="http://www.xtramath.org">www.xtramath.org</a>. Earn a certificate of completion for:  MULTIPLICATION</p>
<p>Calculate your favorite baseball players batting average in a three game time span.</p>	<p>Create an account on <a href="http://www.xtramath.org">www.xtramath.org</a>. Earn a certificate of completion for:  ADDITION</p>	<p>Calculate the area of your bedroom in inches<sup>2</sup> and perimeter in inches.</p>	<p>Calculate the volume of your neighborhood or personal pool.</p>	<p>Find the volume of your suitcase as you pack for a summer trip. Your answer should be in cubic inches.</p>
<p>Go grocery shopping with your parents. Write the total cost of groceries in expanded form. Total must be greater than \$100. (Total can be from one large shop or multiple stops at the grocery store)</p>	<p>Estimate what fraction of your day you spend reading, watching TV or playing video games. How many minutes does this equate to?</p>	<p>Find a family favorite recipe and triple the needed ingredients. This will create a recipe that serves 3 times the amount of people it was designed for!</p>	<p>Shoot 50 free throws. Calculate the percent of free throws made. Challenge a friend or family member to beat your percentage!</p>	<p>While swimming at the pool, swim some laps. Calculate the distance you swam in meters and centimeters!</p>
<p>Research a famous mathematician. Learn about the contribution he/she made to the world of Math.</p>	<p>Help a sibling or friend figure out a tough math problem.</p>	<p>Go the grocery store and use what you know about dividing with decimals to calculate the cost of one hot dog.</p>	<p>Create an account on <a href="http://www.xtramath.org">www.xtramath.org</a>. Earn a certificate of completion for:  SUBTRACTION</p>	<p>Visit Butler's Orchard or any garden of your choice. Estimate the number of plants in a given field using an array model.</p>
<p>Create an account on <a href="http://www.xtramath.org">www.xtramath.org</a>. Earn a certificate of completion for:  DIVISION</p>	<p>Visit the given link for a favorite cookie recipe. Increase the ingredients 1 ½ times to make more cookies than the original recipe called for. <a href="http://allrecipes.com/Recipe/Award-Winning-Soft-Chocolate-Chip-Cookies/Detail.aspx?evt19=1">http://allrecipes.com/Recipe/Award-Winning-Soft-Chocolate-Chip-Cookies/Detail.aspx?evt19=1</a></p>	<p>Find the perimeter of your backyard or any room in you house using fractional units.  Ex. <math>5\frac{3}{8} ft + 10\frac{3}{4} ft \dots</math></p>	<p>Design a Math Wordle Poster for your teacher to hang up in the classroom when you come back to school. Use vocabulary that was learned in Math 5.</p>	<p>During a long car trip, calculate the time in minutes it took you to travel to your destination. Have your parents tally how many times you said "Are we there yet?" 😊</p>