

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 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

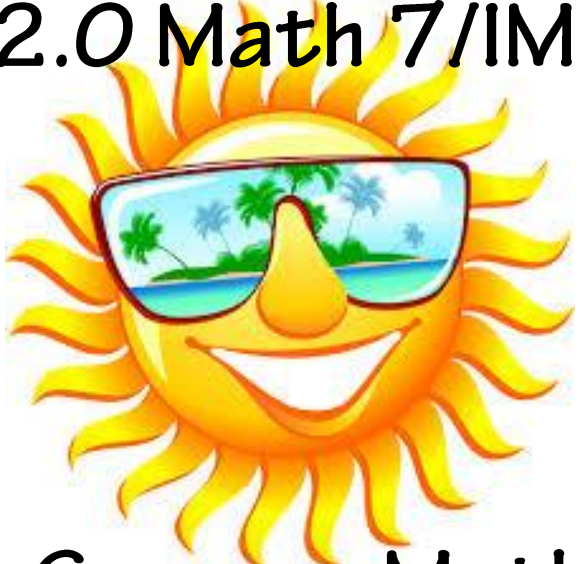
Once you have finished completing 15 of the 25 squares, please answer the questions below using complete sentences.

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

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

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

**Students Entering
C 2.0 Math 7/IM**



**Summer Math
Homework**

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| <p>Calculate the cost of gas for a long car trip. Remember to show your work. (i.e. Going to the beach or NYC)</p> | <p>Look for at least 5 different places where you see/use decimal numbers. Write a letter 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. Attach the photos. (i.e. Equilateral triangle, rhombus...)</p> | <p>www.xtramath.org</p> <p>MULTIPLICATION</p> |
| <p>Calculate your favorite baseball players batting average in a three game time span. include the name the player and the team.</p> | <p>www.xtramath.org</p> <p>ADDITION</p> | <p>Calculate the area of your bedroom in inches² and perimeter in inches. Draw a scale drawing of your bedroom.</p> | <p>Create a circle graph that describe how you spent your time this summer. (i.e. swimming, media, playing outside, working on math....)</p> <p>LABEL, LABEL , LABEL</p> | <p>Make a table or graph and record the high temperature for one week. What is the range of temperatures for that week? Share your findings with your family.</p> |
| <p>Find the same product sold both at Giant and Safeway. Discuss which store gave the better deal with your parents and why? Show the justification of which product was the better buy.</p> | <p>Look for a misleading data display. Write an email to your parents explaining why it is misleading and what the publisher should have done differently to make it not misleading. Print the email to attach to your packet.</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! Attach the original recipe and the new "tripled" recipe.</p> | <p>Shoot 50 free throws. Calculate the percent of free throws made. Remember to show your work.</p> <p>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! Remember to show your work.</p> |
| <p>Research a famous mathematician. Learn about the contribution he/she made to the world of Math. Write a brief summary of the mathematician and his contribution.</p> | <p>Help a sibling or friend figure out a tough math problem. Write down the problem and write the conversation you had with the individual.</p> | <p>Go the grocery store and use what you know about unit rate to calculate the cost of one hot dog. State the original price along with how many hot dogs in the pack. Then show the calculation of the unit rate.</p> | <p>www.xtramath.org</p> <p>SUBTRACTION</p> | <p>What was the mean low temperature for the month of July? Justify (prove) your answer.</p> |
| <p>www.xtramath.org</p> <p>DIVISION</p> | <p>Research how math is used to build a skateboard ramp. Create your own design (for a ramp or park) using what you learned in your research.</p> | <p>Take photos of 6 angles. Classify them as acute, obtuse or right. Estimate the measurement of each angle. Attach the photos along with the work indicated above.</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 6.</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> |