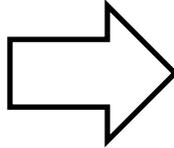


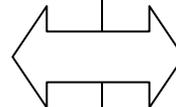
Summer Math Road Trip – Entering Grade 6



Can you finish the math road trip by completing each of the following math activities? Activities do not need to be completed in order. Answers can be placed in the box or another piece of paper. Some activities do not require you to write down your answer. When the activity has been completed, a family member can place his/her initials at the bottom of the box.



<p>Choose a favorite professional athlete and research his/her annual salary. How much does she/he make in a month? A day?</p> <p>_____</p>	<p>Five teams entered the school's volleyball tournament. Each team must play each of the other teams exactly once. How many games will they play during the tournament?</p> <p>_____</p>	<p>Write down some good strategies for figuring out or remembering multiplication and division facts. Explain them to a family member. BE SURE TO PRACTICE FACTS ALL SUMMER LONG!</p> <p>_____</p>	<p>Record the time you go to bed and get up for 1 week. Figure out the total hours and minutes you sleep each night. Then find the mean, median and range for the data set.</p> <p>_____</p>	<p>Try to play a board game or card game once a week with a family member or friend. After you play, discuss your strategy for winning. Suggestions are: Stratego, Battleship, Mancala, Chess, Monopoly, Yahtze</p> <p>_____</p>
<p>Six friends have 4 sandwiches to share. What fraction of a sandwich will each person get?</p> <p>_____</p>	<p>75 % is the answer. What could the question possibly be? Challenge yourself to think of more questions.</p> <p>_____</p>	<p>A farmer has cows and ducks. There are 78 feet and 27 heads. How many of each animal are there? How do you know?</p> <p>_____</p>	<p>Measure the perimeter of a room in your home. What is the perimeter in meters and centimeters? (Ask a family member for help with measuring)</p> <p>_____</p>	<p>Express the number 50 in at least 25 different ways. Use all 4 operations and include fractions and decimals.</p> <p>_____</p>
<p>Look in magazines or newspapers to find an example of a circle graph, a bar graph, and a line graph. Explain to an adult the data that each represents and how each is used differently.</p> <p>_____</p>	<p>Roll two dice together and multiply to find the product. Record the products. Do this 25 times. Find the mean, median, range, and mode of the products.</p> <p>_____</p>	<p>Find the mystery number: It is a common multiple of 2, 5, and 7. It has 3 digits. The sum of the digits is 10. The number is less than 500.</p> <p>_____</p>	<p>Free Space – Enjoy the Day</p> 	<p>Measure the height of each family member using the standard units of measure. Record the height of each person in feet and inches. List their names from shortest to tallest.</p> <p>_____</p>
<p>Mike goes to the gym every third day. He goes to the supermarket every fifth day. He stops at the cleaners every sixth day. He visited all three places on the last day of the previous month. When is the next date on which he will make all three stops together?</p> <p>_____</p>	<p>Take A Break!</p> 	<p>If you pick a random card from a regular deck of cards, what's the probability you'll get a heart? a king? a red number card? Express each as a fraction.</p> <p>_____</p>	<p>Decide on a recipe you would like to cook or bake with an adult. How many servings does the recipe make? Rewrite the recipe doubling it. How many people does it serve now? (If possible, make the original recipe with an adult.)</p> <p>_____</p>	<p>Sort a small bag of candy (such as M&Ms or Skittles) into colors. Then find the percentage of each color.</p> <p>_____</p>
<p>Change the following improper fractions into mixed numbers.</p> <p>12/7 11/3 21/4 41/7</p> <p>_____</p>	<p>How many combinations can you create with: 3 ice cream flavors 2 types of sauce and 2 kinds of sprinkles?</p> <p>_____</p>	<p>As of today's date, record the Wins and Losses for your favorite baseball team this season.</p> <p>Wins _____ Losses _____</p>	<p>What percentage of games has your team won so far this season? What percentage have they lost?</p> <p>_____</p>	<p>You Did It!</p> 





Family Fun! Summer Math Activities Grades 1-6



Math is all around us! The list below shows some fun ways you and your child can practice math over the summer!

- Look for shapes on billboards and signs.
- Use a bag of Skittles, M&Ms or Reese's candy and sort by colors. Graph the results of the colors. Which color has the most? The least? Are there any colors that have the same amount?
- Count forward to 100 – by ones, fives, tens while skipping, jumping, jumping rope, snapping, etc.
- Make your own flashcards to practice adding and subtracting. Draw pictures to model the addition/subtraction fact.
- Help with the family budget or balancing the checkbook
- Cook from a recipe paying attention to measurements; rewrite a recipe to serve twice as many people, half as many, two thirds as many, etc...
- Build anything – focusing on the measurements and the shapes being used
- Research how math is used in different careers
- Research a famous mathematician
- Plan a road trip – find the route to get there, distances, amount of gas needed, cost of gas, average speed, time it will take to get there, etc...
- Conduct surveys (favorite ice cream flavor, best movie, beach or pool, etc) and create graphs for your results
- Measure your height in different units at the beginning and end of summer and graph the results
- Multiplication/Division flashcard practice
- Find the measurements of objects using different units of measure
- Read a book that involves a math concept
- Write a story or cartoon that would help explain a math topic
- Track the temperature by graph through the summer
- Record how long it takes for different people to do something – find mean, median, mode, range and graph the data in different ways
- Play a board game – most games involve logic and/or math skills – examples: Monopoly, Clue, Checkers, Chess, Blokus, Cribbage, Mastermind, various card games, Dominoes, Yahtzee, Battleship, Life, the list goes on and on...
- Sudoku puzzles/Logic puzzles/Brainteasers
- Play a video game that involves logic/math: Brain Age, Big Brain Academy, Brain Challenge, Tetris, Personal Trainer: Math, Math Play, Learn Math, Math Blaster, just to name a few
- View some math videos online and then create your own
- Design a game that would include math – be sure to list in your log what math topics were covered in your game and a brief description of how to play
- Create a “back to school supply list” with costs per item and total costs

Name:

Entering Grade:



Reading and Math Fun for the Summer

Ocean Township School District



Frederic Priff Elementary School



Summer Reading Log

Student Name: _____ Entering Grade: _____

My summer reading goal is _____ books!

Title AND Author	Date Begun	Date Finished
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

Total # of Books Read (minimum of 3-4) _____

My child has read these books this summer. Parent/Guardian Signature: _____

Turn this reading log in to your teacher in September.
There is no limit to the amount of books you can read! Attach additional sheets if necessary.

Check out the Waretown's Public Library's Summer Reading Programs
<http://theoceancountylibrary.org/Kids/default.htm>
<http://theoceancountylibrary.org/Branches/WA/wa.htm>