



Summer Math Opportunities for Families

Math Calendars:

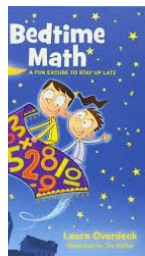
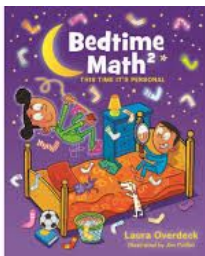
Summer Math Calendar Going into First Grade				
Monday	Tuesday	Wednesday	Thursday	Friday
Grab a handful of blocks or cereal. Estimate how many you have in your hand. Count the objects and write that number.	How many baby abaci does it take to cross your abdomen? How many giant steps? Which has more steps?	Count the light switches in your home. How many did you count? Write the number. Count backwards from that number to 0.	Count to 100 by 1's and 10's.	Use sidewalk chalk to write all the numbers that you can. Use water and paint if you do not have chalk.
Try connecting dots at http://www.abctv.com/content_the_dots.htm	Walk outside. What shapes do you see? Draw all the shapes and label them.	Write the number that is ten ones and 3 more ones.	Have 6 crayons. Some are red and some are blue. How many red and blue could there be? Find and show all the ways.	Jill has 4 marbles. Jack gives her 2 more. How many does she have now? Write that as a number sentence using + and =.
Compare the two numbers. Tell which one is greater. How do you know? 7 4	Draw a picture using 2 circles, 3 triangles, and some rectangles. Explain to an adult how you made it.	Pick a book. How many pages are in the book? How many pages would there be if there were one more page? Two more pages?	Play Five Frames at http://illuminations.nctm.org	Solve the following number sentences: 1+4 = ? 5+2 = ? 2+1 = ? 3+4 = ? 5-1 = ?
At the dog park there were 10 puppies. Some were black and some were white. How many different combinations of each color can you make?	Sing a song that has a number in it. How many songs do you know that have numbers in them?	I am thinking of a shape. It has straight sides. What shape could it be? Draw the shapes it could be.	Go on a number hunt. Record the numbers you find on the houses, cars, signs, etc. Show an adult!	

Links to visit: <http://illuminations.nctm.org>; <http://www.abctv.com/>; <http://www.hoodamath.com/games/>

Name _____ Adult Signature _____

Summer Math Calendar Going into Fifth Grade				
Monday	Tuesday	Wednesday	Thursday	Friday
A cake recipe calls for you to use 3/4 cup of milk, 1/4 cup of oil, and 2/4 cup of water. How much liquid was needed to make the cake? Is this more or less than a pint? How do you know?	The fireworks show started at 8:40 PM. It lasted 25 minutes. At what time did the fireworks show end?	Make the largest and smallest numbers you can by using the digits 9, 6, 1, 8 and 2. Find the difference and sum.	Mia drank 3 quarts of water at the playground. How many more cups does she need to drink to make a gallon? How many ounces is that?	List some capital letters (A, B, ...). Draw one pair of parallel lines. Are there any that have two pairs of parallel lines? Three pairs?
Go to the website www.math.com and play a game.	Somebody married on this date in 1973. What anniversary will they be celebrating today?	Fill a coin 25 times. Write a fraction to show how many times it comes up heads and how many times it comes up tails.	Change the fractions you wrote yesterday to decimals.	A cantaloupe weighs 66 ounces. There are 16 ounces in a pound. How many pounds does the cantaloupe weigh?
I am between 3,444 and 3,522. I have a 1 in my ones place and a 6 in my tens place. What number am I? Create your own number riddle.	My storm 3 clouds of water of the playground. How many more clouds does one need to drink to make a gallon? How many ounces is that?	A car's water temperature is 65 degrees and parents 20 degrees below zero. What is the blue degree addition of the parents' to cover a full 200 degrees. How many more degrees will there be then.	15 friends went to order a sandwich for dinner. They ordered 14 each. How much of a sandwich did each friend eat?	2 you spent 10 minutes today for 3 1/2 hours. How many minutes would that be?
Measure your height in inches. Measure another family member. What is the difference in height?	Begin with 35 and count by 7's to 77. Begin with 36 and count by 6's to 66.	78 people are going on a field trip. A bus holds 20 people. How many buses are needed?	Measure the perimeter of two different sized windows in your home. Find the difference in the perimeters.	How much will Carlos earn if he makes \$18.85 per hour and he works 11 hours?

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Bedtime Math Laura Overdeck

<http://bedtimemath.org/>

Estimate- Everything, everywhere!!!

- How many miles to get to the park/ beach/ camp?
- How long will it take to do the grocery shopping, clean the dishes, fold the laundry?
- How many rocks in an area at the beach, seeds in the watermelon, fish in the pond?

Favorite authors:

Greg Tang (The Grapes of Math, Math Fables)

Jon Scieszka (Math Curse)

Jerry Pallotta (Apple Fractions, Icky Bug Book)

David Schwartz (If You Hopped Like a Frog, If You Made a Million)

Demi (One Grain of Rice)

Other Websites to Explore:

<https://illuminations.nctm.org/>

<http://www.hoodamath.com/games/>

<http://www.abcya.com/>

<https://scratch.mit.edu/>

<http://gamesaboutsquares.com/>