Summer Math Calendar for Students Entering Grade 1

July

Directions: Color in any box that you complete. Return this to your new teacher in the fall. Have Fun!

Sun	Mon	Tue	Wed	Thu	Fri	Sat
Take a walk outside. Record how many insects, birds, and mammals you see.	**Read a math book.**	**Make a chart of the weather this week. How many sunny days? Rainy days? Cloudy days?**	**Play Five Frame: http://illuminations.nctm.org**	**Practice your math facts.**	*Make a list of all the fruits you have. Sort them by color. Make a graph to show your sorting.*	Grab a handful of coins. Sort & find the value. Draw & label something you could buy with that amount of money.
Practice your math facts.	*Count 100 objects (example: Cheerios, raisins, rocks). How many ways can you group your objects?*	Go around the house and count the windows and doors. Are there more windows or doors? Draw the one with more.	**Read a math book.**	Name 5 different places you see numbers. Draw one of the items, write the number in words, & circle the number.	Practice counting on from numbers other than 1, Start at 4... Start at 17...Start at 32...Can you count backwards from 17 & 32?	Play 10 Frame Mania: gregtangmath.com
Draw a picture of 5 dogs. How many legs are there in all?	Skip count to 100 by 5s. Skip count to 100 by 10s. Which took longer?	**Practice your math facts.**	Play a board game that uses dice. Does any one number get rolled more than others?	Sort the laundry (by owner, by color, by size, by item type). Who had the most socks in their pile?	**Read a math book.**	Make a picture using 2 circles, 3 triangles, & some rectangles. Explain to a friend how you made it.
Read a math book.	Draw 10 objects. Add 2 more objects to the picture. Count the objects. How many do you have now?	Guess how many times you can jump on two feet in one minute. Now do it and see how close you were.	Tell the time that you go to bed to the closest hour. Draw a picture of the clock's hands for that hour.	Line up 3 different figures or stuffed animals. Record the order. How many different ways can you line them up?	**Practice your math facts.**	Swing 25 times or jump 25 times. How long did it take? Can you count backwards?

Name:

Parent Signature:

Summer Math Calendar for Students Entering Grade 1

August

Directions: Color in any box that you complete. Return this to your new teacher in the fall. Have Fun!

Sun	Mon	Tue	Wed	Thu	Fri	Sat
Read a math book.	Look at a calendar. How many days are left before school begins? How many weeks?	Try a game like basketball, bowling, or miniature golf. Help keep score. Who had the most points?	Start a collection of rocks or shells. Estimate how many fit in your hand. Count to see. Put them in order from smallest to largest.	Play 10 Frame Mania: gregtangmath.com	Jump 3 times, once like a bunny, once like a frog, and once like a child. Measure each jump. Which jump was the shortest? Which was the longest?	**Practice your math facts.**
Play a math game.	**Practice your math facts.**	How many utensils do you think you have? Make a picture graph to show how many forks, knives, and spoons you have in your utensil drawer.	**Read a math book.**	Practice skip counting by 2's and 5's. 2, 4, 6, 8 to 30. 5,10,15 to 50.	Play Ten Frame: http://illuminations.nctm.org	Draw a picture to show this problem: I made 8 hot dogs. The kids ate 4 of them. How many are left?
With chalk, make a repeating pattern design on a sidewalk or driveway. Ask an adult first.	Play Coin Bubble: gregtangmath.com	Play a board game that uses dice. Practice your facts that equal 6. (5+1, 4+2, 3+3) Are there any more?	**Practice your math facts.**	Use different shaped containers and wet sand or dirt to make a repeated pattern design.	**Read a math book.**	When you go out, count how many people are wearing shorts and long pants. Compare. Why might that change on another day?
As you walk or drive in your car, try to find all the numbers 0,1,2,3. . . in order. How many do you see along the way? How high can you go?	Make up your own picture problem. Be sure to write the equation (such as 6 + 1).	The U.S. soccer team needs to add 6 more players. They have already chosen 3. How many more players will they need to total 6?	Make a list of all the 2D and 3D shapes you can think of. Go on a scavenger hunt looking for those shapes. Check off the shapes you find.	**Read a math book.**	*Write your first name. If A=1, B=2, C=3, etc...What is your first name worth?*	**Practice your math facts.**

Name: Parent Signature:

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Summer Math Calendar for Students Entering Grade 2

July

Directions: Color in any box that you complete. Return this to your new teacher in the fall. Have Fun!

Sun	Mon	Tue	Wed	Thu	Fri	Sat
0+1 1+1 2+1 3+1 4+1 to 19+1 What patterns do you see? Why?	Make a quart of lemonade. How many cups of water do you need? How many tablespoons of sugar do you need to make it sweet	What number comes after 16? What number comes before 30? What numbers come before and after 57?	Count backwards from 30 to 0. Count backwards by 10s from 80. Count backwards by 5s from 40.	**Read a Math Book.**	Get a pile of coins. Show all the ways to make 15 cents. How do you know you have them all?	**Practice Your Facts.**
How long does the traffic light stay green? Red? How could you measure this? How much longer is one light than the other?	Jump 3 times: once like a bunny, once like a frog, and once like a child. Measure each jump. Which was the longest? Shortest? What is the difference?	I have a machine that adds 5 to every number I put in. If I put in 4, what comes out? If I put in 16, what comes out?	**Read a Math Book.**	Estimate how many pieces of cereal are in 1⁄4 cup. Now estimate how many 1⁄4 cups fill in your cereal bowl. Check.	**Practice Your Facts.**	How many books do you have? First, make an estimate. Then count them. How close was your estimate?
0+0 1+0 2+0 3+0 4+0 to 20+0 What patterns do you see? Why are they happening?	**Read a Math Book.**	Sort the laundry into categories (by owner, size, color, item type). What do you observe about the piles?	**Practice Your Facts.**	*I'm 7 years old, my sister is 11. Who is younger? By how much? I have 16 stickers, my sister has 9. Who has more? By how many?*	*Count how many times you can hop on your right foot, then your left. Which foot could you hop on longer? How much longer?*	*What are all the ways to make 10? Record your number sentences. How do you know you have them all?*
Create a repeating pattern with shapes, like ##*##*. Ask a friend what the 9th shape would be. The 10th? Have a friend make up a new pattern.	**Practice Your Facts.**	*Play Ten Frame: http://illuminations.nctm.org*	**Play a card game.**	Blow a marble, a pencil, and a feather across a table or the floor. Measure how far they go. Which goes the farthest? By how much?	**Play a game.**	**Read a Math Book.**

Name: _____   Parent Signature: _____

Summer Math Calendar for Students Entering Grade 2

August

Directions: Color in any box that you complete. Return this to your new teacher in the fall. Have Fun!

Sun	Mon	Tue	Wed	Thu	Fri	Sat
Read a Math Book.	Play How Many Under My Shell: http://illuminations.nctm.org	**Take a walk outside. Record how many insects, birds, and mammals you see. Make a graph.**	**Practice Your Facts.**	*Get a pile of coins. How many ways can you make 25 cents using pennies, nickels and dimes?*	Play a game.	*How many books are on 1 shelf? First, make an estimate. Then count them by 2's. How close was your estimate?*
Practice Your Facts.	I have a machine that adds 5 to every number I put in. If 12 comes out, what did I put in?	*Tell an adult an addition story problem to go with 4+8. Now tell a subtraction story problem for 12-4.*	**Read a Math Book.**	**Play Concentration:** *http://illuminations.nctm.org*	*Listen to the whole story before answering: I had 4 shells. I got 2 more. I got 3 more. I lost 2. How many do I have? Make and solve other problems.*	*Play Adding 10. Roll a die. Add 10 to the number rolled. Record your number sentence. Repeat 10 times..*
Create a repeating pattern with shapes, like ####*. Ask a friend what the 9th shape would be. The 10th?*	**Read a Math Book.**	*Carol ran on the Olympic track and jumped over 12 hurdles successfully but knocked down 4. How many hurdles were there?*	Play a game.	*Play a hiding game. Get 7 pennies. Put some in 1 hand and some in the other hand. Show 1 hand, and have the adult figure out what's hiding. Switch roles. Play 10x.*	**Practice Your Facts.**	Play a game like Connect Four, Dominoes, or Monopoly Junior
Estimate the length of string you'd need to fit around a ball. Without measuring, cut the string that you think will work Test your prediction. What did you notice?	**Practice Your Facts.**	*Roll 2 dice together and add to find the sum. Record the sum. Do this 20 times. What sum did you get the most often? Why? Make a graph to show your results.*	Line up 3 different figures or animals. Record the order. Now change the order. How many different ways can you line them up?	Play a game.	Make a tally chart of the number of fruits and vegetables you ate today at your meals and for snacks.	**Read a Math Book.**

Name:

Parent Signature:

Summer Math Calendar for Students Entering Grade 3

July	Directions: Color in any box that you complete. Return this to your new teacher in the fall. Have Fun!					
Sun	**Mon**	**Tue**	**Wed**	**Thu**	**Fri**	**Sat**
How many more popsicles do I need to buy if I already have 18, and I want to have 26?	**Practice Your Facts.**	Look in your refrigerator. Categorize the items as dairy, fruit, vegetable, meat, grains, fats, or other. Make a tally chart.	**Play a card game.**	*I have 7 puppies, but I want 19. What do I have to do? I have 12 fleas, but I only want 5. What do I need to do?*	**Read a Math Book.**	*How many different ways can you cut a sandwich into fourths? Try it with real or paper sandwiches.*
Look at an analog clock. What time is it? How many minutes until the next hour?	**Read a Math Book.**	Play Concentration with Fractions: http://illuminations.nctm.org	*Write down ten numbers between 11-99. Subtract 10 from each number. Write the number sentences.*	**Play Coin Bubble: gregtangmath.com**	**Practice Your Facts.**	*Play Patch Tool: http://illuminations.nctm.org*
How many times can you hop on your left foot in a minute? Your right foot? Compare the number of hops using the symbols <, >, or =.	**Play a card game with a family member.**	**Practice Your Facts.**	*How many cents do I have if I have 1 quarter, 2 dimes, 2 nickels and 3 pennies? Can you show that value with fewer coins?*	**Read a Math Book.**	**Play a computer game like: Prodigygame. com**	There are some girls, some chairs and some tables in a room. There are 26 legs. Draw pictures to show different ways there could be a total of 26 legs.
Read a Math Book.	**Play a computer game like: Prodigygame .com**	Today is Tuesday. What is today's date? What was the day and date 2 days ago? What will tomorrow's day and date be? What day and date will it be in 1 week?	**How many ways can you make 11?**	**Practice Your Facts.**	**Play a game with a family member.**	Write down ten numbers between 11-99. Add 10 to each number. Write the number sentences.

Name: Parent Signature:

Summer Math Calendar for Students Entering Grade 3

August

Directions: Color in any box that you complete. Return this to your new teacher in the fall. Have Fun!

Sun	Mon	Tue	Wed	Thu	Fri	Sat
Play 10 questions. One person thinks of a number between 1 and 100. The other person asks 10 yes or no questions to guess the number (odd? > 50?)	**Practice Your Facts.**	**Play Deep Sea Dual:** http://illuminations.nctm.org	**Read a Math Book.**	**Play a computer game like: Prodigygame.com**	*Fold a piece of paper in half 2 times. Open it. How many rectangles? Now, fold it in half 3 times. How many rectangles? 4 times? Can you find a pattern?*	*Set the table for dinner. How many utensils will you need for 6 plates? 8 plates? Describe the pattern. Estimate 10 plates without counting.*
Read a Math Book.	*Look at an analog clock. What time is it? How many minutes until the next hour?*	The 3 numbers in my fact family are 8, 7 and 15. What two addition and two subtraction number sentences can you make?	**Practice Your Facts.**	What time is it now? Write down the time. What time will it be in 30 minutes? What time was it 60 minutes ago?	**Play a game.**	*Amy swam six laps in 19, 20, 21, 24, 22, and 25 seconds. How long did she swim in total?*
I am thinking of an odd number. It is greater than 33 and less than 40. You say it when you skip count by 5's. What number am I?	**Play a computer game like: Prodigygame.com**	**Read a Math Book.**	*In California, it is 3 hours earlier than it is in Hanover. What time will it be in California when you eat lunch in Hanover? How about when you go to sleep?*	One way to make 12 is 8 + 4. Write 4 other addition facts for 12.	**Practice Your Facts.**	Using the numbers 63, 18, 30, 49, tell which two numbers you would add to get the greatest sum. Add them together.
Name 3 activities that you did yesterday. What time did you do each activity?	**Practice Your Facts.**	Sue swims in the pool from 1: 10 to 1: 35. Draw a clock to show the time at which she began to swim.	**Identify the rule for each pattern and then continue the pattern: 5, 7, 9, 13, _____, _____ 75, 80, 85, 90,**	Cut out coupons showing 50 cents or less.	Using coins show 2 ways to make 25 cents, 40 cents, 38 cents, and 78 cents.	**Read a Math Book.**

Name: Parent Signature:

Summer Math Calendar for Students Entering Grade 4

H

July	Directions: Color in any box that you complete. Return this to your new teacher in the fall. Have Fun!					
Sun	**Mon**	**Tue**	**Wed**	**Thu**	**Fri**	**Sat**
What is the greatest and the least number you can make using the digits 1, 4, 8, 2, 3 and 7? You may use each digit only once in a number.	*Play Patch Tool: http://illuminations. nctm.org*	**Practice Your Multiplication Facts.**	**Play a game.**	Gather 4 different boxes of food such as rice or cereal. Measure the width of each box in inches. Widest? Thinnest?	**Read a Math Book.**	Roll two dice. Multiply the two numbers rolled and write an equation to show this. Repeat this 10 times.
Play a computer game on: prodigygame.com or gregtangmath.com	Determine what time it is now. What time will it be in one half hour from now? Forty- five minutes?	**Read a Math Book.**	Survey 10 people and ask them what their favorite animal is. Create a bar graph to show your results.	**Practice Your Multiplication Facts.**	Go to the store with a parent. Record the time you arrive and the time you leave. How much time did you spend in the store?	Make a list (with products up to 100) of all the multiplication facts that are doubles (ex. 1 x 1= 1).
Write an equation showing how 12 cookies could be shared between 2, 3, 4, and 6 children.	**Practice Your Multiplication Facts.**	**Play a game.**	See how many different ways you can divide 20 colored pencils or crayons equally. Write a division equation for each way you find.	**Read a Math Book.**	Count the number of windows and doors in your home. Determine if these numbers are odd or even.	**Play Deep Sea Dual:** *http://illuminations.nctm.org*
Round these numbers to the nearest ten. 1)472 2) 65 3) 207 4) 109	**Read a Math Book.**	Do you think there are more odd or even day dates in a month. Why? Check your guess.	**Play a computer game like: Prodigygame.com or gregtangmath.com: KAKOOMA**	**Make a graph or chart showing how many 1-legged, 2- legged, 3-legged, and 4-legged things are in your house. Remember count pets and furniture!**	**Find out how many more days until school starts. Make an estimate first.**	**Practice Your Multiplication Facts.**

Name: Parent Signature:

Summer Math Calendar for Students Entering Grade 4

August	Directions: Color in any box that you complete. Return this to your new teacher in the fall. Have Fun!

Sun	Mon	Tue	Wed	Thu	Fri	Sat
Look at advertisements for cars in the newspaper. Choose a car you like and round the price to the nearest thousand.	**Practice Your Multiplication Facts.**	Using a restaurant menu, have each family member decide what he/she would order. Find the total cost of all the meals they chose.	**Read a Math Book.**	Draw 2 cards from a deck of cards (number cards only). Find the sum and difference of the cards. Repeat this 10 times	Find the mean of the number of pages of your 3 favorite chapter books. (Hint: find the total number of pages and divide by the number of books.)	Have a multiplication bee with another family member using flash cards.
Roll two dice. Write the four multiplication and division fact family sentences that include these two numbers.	**Read a Math Book.**	Draw two shapes below. Color 1/2 of each shape red. Color 1/4 of each shape blue.	**Practice Your Multiplication Facts.**	What digit is in the thousandths place? 35,965,346.2817	**Play a computer game like: Prodigygame.com or gregtangmath.com: KAKOOMA**	Calculate how many months old you are.
Play Deep Sea Dual or Patch Tool: http://illuminations.nctm.org	For every 6 children going to the zoo, one adult comes along. How many adults will accompany 83 children? (Hint make a table.)	*Play A Math Game.*	Flip a coin 10 times. Record how many times it landed on heads and tails. Multiply those two numbers together. Now have a friend do the same & repeat 4 times. The highest product wins.	**Read a Math Book.**	**Practice Your Multiplication Facts.**	There are 16 baseball teams in the league. Each team received 395 new baseballs. How many baseballs were given out in all?
How many faces does a cube have? How many edges? How many vertices?	Play a computer game like: Prodigygame.com or gregtangmath.com: KAKOOMA	If the area of a square is 36 units, what is the perimeter? Draw a picture showing the area. Use it to find the perimeter.	**Read a Math Book.**	Which is a set of prime numbers? a) 2, 5, 6, 15, 19, 27 b) 2, 3, 5, 7, 11, 13, 17 c) 1, 2, 4, 6, 8, 10, 12	Back to school shopping time! You buy two T-shirts at $6.45 each and a pair of shorts for $5.19. You pay with a $20 bill. How much change should you receive?	**Practice Your Multiplication Facts.**

Name: Parent Signature:

Summer Math Calendar for Students Entering Grade 5

July	Directions: Color in any box that you complete. Return this to your new teacher in the fall. Have Fun!

Sun	Mon	Tue	Wed	Thu	Fri	Sat
Go to the grocery store with your family. Estimate what the total cost will be.	**Practice Your Multiplication Facts.**	Make the largest and smallest numbers you can find using the digits 4, 1, 7, 8, and 2. Find their difference and sum.	15 friends want to order pizza for dinner. They predict that each person will eat 1/3 of a pizza. How many pizzas should they order? What if there were 9 friends?	List some capital letters (H, F...) that have one pair of parallel lines. Are there any that have two pair of parallel lines or three?	**Read a Math Book.**	Write a word problem whose answer is 154. Have someone solve the problem.
Play a computer game like: Prodigygame.com or gregtangmath.com: KAKOOMA	Write down the names and prices of 5 cars you find in the newspaper. Order the prices from least to greatest. Round the prices to the nearest thousand.	Use 5 playing cards to make the largest 5-digit number possible. Represent the number in numeral, word and expanded forms. Repeat 5x.	**Practice Your Multiplication Facts.**	**Read a Math Book.**	Play a strategy game. What strategy did you use? Would you use it again?	Tom and Ben ordered a pizza for lunch. They each ate 1/3 of the pizza. How much pizza was eaten? How much pizza was left?
Measure the perimeter of two different sized windows in your home. Find the difference of the perimeters.	Play a game.	**Read a Math Book.**	What factors can you use in this equation, __x 5 = __, to make a product that is an odd number between 30 and 60? Show all possible solutions. Explain your strategy.	**Play a card game with a family member or friend.**	**Practice Your Multiplication Facts.**	Play a game.
Read a Math Book.	Vowels are worth $50 consonants are worth $40. Can you make a word worth exactly $200? $600?	**Play a card game with a family member or friend.**	**Play a computer game like: Prodigygame.com gregtangmath.com: KAKOOMA**	Visit the game room at: www.aplusmath.com	A lawn sprinkler rotates 65 degrees and pauses. It then rotates 25 more degrees. What is the total degree rotation of the sprinkler? To cover a full 360 degrees, how many more degrees will	**Practice Your Multiplication Facts.**

Name: Parent Signature:

Summer Math Calendar for Students Entering Grade 5

August	Directions: Color in any box that you complete. Return this to your new teacher in the fall. Have Fun!

Sun	Mon	Tue	Wed	Thu	Fri	Sat
Practice Your Multiplication Facts.	Play a game.	Play the *Product Game* at www.**illuminations.nctm.org**	**Read a Math Book.**	Skip count by 5's starting at 1. What patterns do you noticed? Explain why you think these patterns are happening.	With a partner take turns scooping coins from a cup. Write the total in dollars and cents using decimal notation. Compare totals using <, >, or =. Take ten turns.	**Play a computer game like: Prodigygame.com gregtangmath.com: KAKOOMA com**
The sum of two mixed numbers is 5. What might the two mixed numbers be? Show as many different solutions as you can. Explain your strategy.	**Practice Your Multiplication Facts.**	Find the area of your bedroom floor. What room in your house could have about twice the area of your bedroom or about half the area of your room? Check.	Make a paper airplane and fly it. Measure how far it goes. Try a few times. Record distances in your journal. Is it more accurate to use kilometers, meters or centimeters?	**Read a Math Book.**	Visit the website www.multiplication.com Choose some activities to have fun practicing multiplication.	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?
Solve the riddle: I have 5 in the tenths place I have 7 in the thousandths place I have 4 in the ones place I have 2 in the hundredths place. What decimal am I? Write your own riddle.	Play *Fraction Game* at www.illuminations.nctm.org How many moves did it take to get all the red markers to the right side? Can you beat your score?	**Practice Your Multiplication Facts.**	Play a game.	Write three facts about the number 28. Is this number prime or composite? How do you know? Round this number to the nearest 10.	**Read a Math Book.**	The difference between two mixed numbers is 31/4. What might the two mixed numbers be? Show as many different solutions as you can. Explain your strategy.
Measure 10 objects to the nearest 1/4, 1/2, or1/8 inch. Put the data on a line plot. How many objects measured 1/4 inch? 1/2 inch? Add the objects together end to end. What is the total length?	**Play a computer game like: Prodigygame.com gregtangmath.com: KAKOOMA**	Have a scavenger hunt for real-world examples of parallel lines (ex. railroad tracks)	**Practice Your Multiplication Facts.**	Play a strategy game. What strategy did you use? Would you use it again?	A regular pentagon measures 2 1/8 cm on one side. What is the perimeter of the pentagon?	**Read a Math Book.**

Name: Parent Signature: