



THE PARK
SCHOOL

Entering Grade 4 Summer Math Calendar

Monday

Tuesday

Wednesday

Thursday

Friday

July

101 is the answer. What is the question? Think of some story problems using each operation.	32 is the answer. What is the question? Think of some story problems using each operation.	36 people are eating lunch together and want to share sandwiches. If each person eats $\frac{1}{4}$ of a sandwich, how many sandwiches should be ordered?	A farmer has chickens and cows. What combination of animals could he have if there is a total of 24 legs? Is there more than one combination?	Choose an object and see if you can make a collage picture of it using basic shapes. Can you make a collage of a car? house? cat? How realistic can you make it? Can you make a self-portrait?
Count by 7's starting at 15 as far as you can or until you get really, really tired.	Draw a design that has at least two lines of symmetry.	Draw a design with 6 perpendicular lines and 3 parallel lines. Can you make it look like something?	Draw a number line from 0 to 5. Label the following fractions: $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, $1\frac{1}{2}$, $4\frac{3}{4}$	Draw rectangles that have a perimeter of 20 units. Find the area of each rectangle that you drew.
Estimate the population of: --The world --The USA --Massachusetts --Boston Look up the real numbers. How close were you?	Figure out your age in months. Challenge: Figure out your age in weeks, in days, and in hours.	Find 4 ways to divide 100 into 4 equal groups.	Find an object that is a rectangular prism. How many faces, vertices, and edges does it have?	Grab 10 coins and record the value. Grab 10 more coins and record that value. What is the difference between the two?
Have a scavenger hunt for real examples of right angles. example: the corner of a book	How many different ways can you make \$1.00 using quarters, nickels, and dimes?	How many more days of summer do you have left? Is that number even or odd? How many weeks is that?	How many seconds are in 5 minutes? How many minutes are in 4 hours? How many seconds are in $2\frac{1}{2}$ minutes?	I am thinking of a number. It is greater than 7×6 and less than 5×10 . 7 is a factor of this number. What number am I?
I mow the lawn beginning at 2:30 p.m. I mow for an hour and ten minutes. I stop for a lemonade break. Then I mow for another 25 minutes. I finish mowing at 4:30. How long was my lemonade break?	If Mia painted 400 fingernails, how many people did she see? If the vet examined 26 dogs, how many paws did she see?	If necessary, reinforce basic addition and subtraction facts through games. Games work best when kids and grown-ups play together.	If your family goes on a road trip, write down the miles on the odometer when you leave. Write down the miles when you get home. How many miles did you travel?	List all the factors of 36. List all the factors of 48.



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August

Make a data table to record the high temperatures for the next 7 days. What do you notice?	Measuring is an important skill for any building project. If you build something this summer, take a picture of it, and explain what measurements you used to make it.	Name three spheres, four rectangular prisms, two cylinders, and one truncated icosahedron that exist in the real world.	Notice shapes today. Can you find an example of every regular polygon with less than 11 sides?	Pick a two-digit number, multiply it by 10 and subtract the original number. Is this number divisible by 9? Why? Try it 4 more times!
Plan a meal for your family. With an adult, make a list of ingredients, go shopping, and then follow the recipes.	Play a game like Othello or Checkers. What strategy did you use? Would you use the same strategy again?	Play a strategy game like Mancala or Connect Four. Would you use the same strategy next time you play?	Play Deep Sea Duel	Play games and talk about math in the real world.
Real-life math activities: go grocery shopping and compare prices per pound, count change, bake and cook, measure and sew.	Play Patch Tool. How different ways you can make the same shape?	Practice estimating and measuring: How many cars are in a parking lot? Do you have personal benchmarks to decide when something is about an inch? a foot? How many pounds is that ___?	Reinforce the basic multiplication facts. Some children find practicing their facts with music helpful (The City Creek Press CD "Times Tables the Fun Way" is a good resource).	Skip count by 3s starting at 16 as far as you can or until you are really, really tired.
There are 25 "math boxes." We encourage you to complete 20 boxes per month. Color in each box as it is done. Many of the games and activities can be played over and over--so feel free to substitute.	This one takes some research. Which of these cannot be a radio station in the US? 97.7, 88.9, 101.4 Why?	Today's Number is 200. Write 10 ways to make 200. Each equation should have addition and subtraction .	Tyrell has a grid made up of 16 equal squares. How many squares should he color if he wants to color $\frac{1}{2}$? $\frac{1}{4}$? How about $\frac{1}{8}$?	What are the next two numbers in this sequence: 1, 2, 4, 7, 11, 16 ...
What are the next two numbers in this sequence: 76, 62, 48, 34, 20.....	What would your house look like if it were only two inches high? or a 4ft long ant? Make a model of something as accurately as you can. What math did you need to use?	Which is larger, $\frac{3}{5}$ or $\frac{3}{4}$? How do you know? Prove it.	Write a schedule for tomorrow that includes the hours and minutes of your activities.	Write a story problem to go with the following number sentence: $45 \div 9 =$ _____