



THE PARK
SCHOOL

Entering Grade 2 Summer Math Calendar

Monday

Tuesday

Wednesday

Thursday

Friday

July

<p>A small pack of gum has 6 pieces. How many pieces of gum are in 3 packs? What about in 5 packs? What if each pack had 7 pieces? 8? and so on?</p>	<p>Balance on one foot. Time yourself. Now have the rest of your family try it. Record everyone's times. Who can stand on one foot the longest?</p>	<p>Blow a marble, bottle cap, and a pencil across a table or the floor. Measure how far they go. Which goes the farthest? By how much?</p>	<p>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?</p>	<p>Count backwards from 30 to 0. Count backwards from 83 to 40. Count backwards by 10's from 100 to 0. Count backwards by 5's from 40 to 0. Repeat using different starting numbers.</p>
<p>Count by 2's to 50 starting at 12. Count by 10's to 64 starting at 4. What did you notice about the numbers you say? Repeat using different numbers.</p>	<p>Count how many times you can hop on your right foot, then your left. On which foot could you hop on longer? How much longer?</p>	<p>Create a repeating pattern with shapes. Ask a friend to predict what the 9th shape would be. The 10th? The 20th? Have your friend make up a new pattern and you answer the questions.</p>	<p>Estimate the number of cups it will take to fill a pitcher. Now try it!</p>	<p>Find a bookshelf. Estimate how many books are on the first shelf. Then count them by 2's. How close was your estimate?</p>
<p>Gather a handful of coins worth less \$2.00. Calculate how much you have.</p>	<p>Get a pile of coins. How many ways can you make 25 cents using pennies, nickels and dimes?</p>	<p>Get a pile of coins. Show all the ways to make 15 cents. How do you know you have them all?</p>	<p>Go for a walk in your neighborhood. What numbers do you see? Look for even and odd numbers.</p>	<p>Hold an ice cube in your hand. Count by 2's until it melts. Did you count to more or less than 100!</p>
<p>How many days until school starts? How many hours? Minutes?</p>	<p>How many seconds does a traffic light stay green? Red? How much longer is one light than the other?</p>	<p>How many ways can you make 12? Write at least 10 ways to make 12. Use addition and subtraction.</p>	<p>I have 10 apples and oranges. How many of each could I have? How do you know you have found all the possibilities?</p>	<p>If you save 2 cents every day in August, how much money will you have at the end of the month? What if you saved 2 cents every day of the summer. How much money would you have the first day back at school?</p>
<p>In one blow, how many bubbles can you make? What are the most bubbles you can blow at one time?</p>	<p>Jump rope and count by tens to at least 100....but see how high you can go. Now try counting backwards by tens.</p>	<p>Line up 4 different figures or animals. Record the order. How many different ways can you line up 4 figures. Keep a list or chart.</p>	<p>Make a 3-D shape using mini marshmallows and toothpicks. How many corners does your shape have? How many edges?</p>	<p>Make a list of 2-D and 3-D shapes. Go on a scavenger hunt to look for those shapes. Bring your list and check off the shapes you find.</p>



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Monday

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Wednesday

Thursday

Friday

August

<p>Make a quart of lemonade. How many cups of water do you need? How many tablespoons of mix do you need to make it sweet enough? Or How many lemons do you need? What happens if you double the recipe?</p>	<p>Make a tally chart of the number of fruits and vegetables you ate today at your meals and snacks. Did you eat 5 servings? Keep track for a week. What do you notice?</p>	<p>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.</p>	<p>Play a hiding game. Get 7 pennies. Put some in one hand and some in the other hand. Show one hand, and have the adult figure out what's hiding. Switch roles. Play at least 10 times. Try it with different numbers of pennies!</p>	<p>Play adding 10. Roll a die. Add 10 to the number rolled. Record your number sentence. Repeat 10 times.</p>
<p>Play Adding Ten. Roll a die. Add 10 to the number rolled. Record your number sentence. Repeat 10 times.</p>	<p>Play games and talk about math in the real world.</p>	<p>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 ___?</p>	<p>Practice estimating and measuring: How many cars are in a parking lot? Do you have personal benchmarks to help you decide when something is about an inch or a foot long? How many pounds is that watermelon? How heavy is your neighbor's dog?</p>	<p>Read Alexander, Who Used to Be Rich Last Sunday by Judith Viorst</p>
<p>Read The Button Box by Margarett Reid. Find a collection and sort it. Ask someone else to figure out how you sorted.</p>	<p>I had 5 shells. I found 2 more. I found 3 more. I gave 2 to my sister. How many do I have? Can you write an equation that matches the story? Make and solve other story problems.</p>	<p>Reinforce addition and subtraction facts for the numbers 1 through 10 through games. Games work best when kids and grown-ups play together.</p>	<p>Roll 2 dice together and add to find the sum. Do this 20 times. What sum did you get most often? Why? Make a graph to show your results. Do some more testing. Do your results stay the same? Why?</p>	<p>Rosa has 14 stickers. She gave some to her friend. Now she has 7 stickers. How many did she give to her friend?</p>
<p>Sort the laundry into categories (by owner, by size, by color, or by item type). Make a bar graph for color.</p>	<p>Tell an adult an addition story problem to go with $6 + 5$. Now tell a subtraction story for $11 - 5$. Make up other addition and subtraction story problems.</p>	<p>The answer is 20. What is the question?</p>	<p>The answer is 50. What is the problem?</p>	<p>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.</p>
<p>Today's Number is 18. Make 18 by: - adding two numbers -subtracting two numbers -adding three numbers -adding four numbers</p>	<p>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?</p>	<p>Write a story problem for each of these equations: $13 + 7 = \underline{\quad}$ $18 - 9 = \underline{\quad}$</p>	<p>Write down the ages of everyone in your family. How much younger are you than your parent(s)?</p>	<p>Write down what time you go to bed. Write the time and draw a picture of what it would look like on a clock with hands. Write down what time you get up in the morning. How many hours did you sleep?</p>