# PARK — THE PARK SCHOOL

# Entering Grade 3
# Summer Math Calendar

| Monday | Tuesday | Wednesday | Thursday | Friday |
|---|---|---|---|---|
| 100 is the answer. What could the question be? Challenge yourself to think of more questions. | 15 + 6 = 13 + _____ ___ + 8 = 17 + 10 14 + 23 = ____ + 21 Write these problems in your math journal. Explain how you got the answers. | A can has the shape of a cylinder. Find and write down things in your house and outside that have the shape of a cylinder. | Add the ages of all the people who live in your house. What is the sum? Write an equation. | Ask an adult to teach you a card trick, or look one up online. Practice the trick and try it out on a friend. |
| Ask your child to model what is happening in a problem. Use rocks, pennies, or blocks to show what is actually going on when numbers are combined and separated. | 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 all the books in your room!! Can you count all the books in your house? Is there a way to make a good estimate? | Create a survey for Favorite Day of the Week. Ask at least 20 people. Create a graph to show your results. | Draw a design that has symmetry. |
| Estimate how long it will take you to do 100 jumping jacks. Did it take more or less than 5 minutes. Record your time and compare it with a friend's. | Estimate the number of people at a Revolution Soccer Game. Check your estimates. How close were you? How about a Red Sox game? | Find 20 coins in your house. How much are they worth? Is it more or less than $3.00. How much more or less? | Find 5 ways to make $1.00 using quarters, dimes, nickels, and pennies. Draw pictures of the coins and equations to match. | Find something symmetrical inside your house and outside your house. Draw all the lines of symmetry. |
| Flip a coin 10 times and record your results. Flip the coin another 10 times. Compare the results. What do you notice? What do you think might happen if you flip the coin another 10 times. Try it! | How many days until school starts? How many days of summer have you had? | How many days until your birthday? | How many different ways can you cut a sandwich into fourths? Try it with real or paper sandwiches. | How many hours until the first day of school? |
| How many times can you hop on your left foot in a minute? Your right foot? Compare the number of hops using the symbols <, >, =. What's the difference? Test other people in your family! | I have 7 marbles. I want 19 marbles. What do I need to do? I have 13 apples, but I only want 5. What do I need to do? | If you start playing a game at 8 a.m. and play for 1 and a half hours, what time is it when you are done? How do you know? | Look at clock. What time is it? How many minutes until the next hour? | Look in your refrigerator. Categorize the items as dairy, fruit, vegetable, meat, grains, fats, and other. Make a tally chart. |

July

# THE PARK SCHOOL

# Entering Grade 3
# Summer Math Calendar

| Monday | Tuesday | Wednesday | Thursday | Friday |
|---|---|---|---|---|
| Make a rectangular prism using toothpicks and mini marshmallows. What other 3-D shapes can you make? Can you draw them? | 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. | Palindromes are numbers that are the same forward and backwards. (example: 121) How many can you think of? Can you find some in real life? | Plant some seeds. Will they grow to be about 12 inches or 12 feet? How do you know? | Play a strategy game like Othello or Checkers. What kind of strategies did you use? Did they work? Will you try a different strategy next time you play? |
| 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. | Practice counting forward and backward by 2's, 5's, and 10's from ANY number. Can you do it while patting your head and rubbing your tummy? | 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 ___? | 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? |
| Reinforce addition and subtraction facts for the numbers 1 through 20, through games. Games work best when kids and grown-ups play together. | Reinforce the addition and subtraction strategies they learned in second grade in the context of story problems you can have fun making up together. | Set the table for dinner. Find the total number of plates, glasses, forks, knives, and spoons, Write an equation to show how you figured the total out. | Start at 3 and write all the numbers from 1-150, counting by 3's. What patterns do you see? | The answer is 130. What is the question? |
| 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. | Today's Number is 125. Write as many ways to make 125 as you can. Use addition and subtraction. | Use a grocery store flyer to plan a breakfast. List all the items you need and record the price of each item. How much will breakfast cost. | What are the ages of each person in your house. Add 10 to each person's age . Now add the new ages together. What is the sum? | What are three ways you can estimate what time it is other than using a clock? Use one way and estimate the time, how close are you? |
| What day of the week is it? What is the date? What was the day and the date 2 days ago? What will tomorrow's day and date be? What day and date will it be in 1 week? 2 weeks? 4 weeks? | What is the temperature today? How far is it from 100F degrees? How far is from 32F degrees? | 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? | Write 5 ways to make 30 cents. Draw the coins to show your thinking and write number sentences. | Write down ten numbers between 11-99. Subtract 10 from each number. Write the equations. Write down ten numbers between 110 and 199. Subtract 10 from each number. Write equations. |

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