

Math Skills for Students Entering Kindergarten

1. Be able to count from 0-20
 - a. Make sure that daily counting is a part of your child's routine. Count fingers, toes, spoons on the table, etc.

2. Identify numbers 1-10 (out of order)
 - a. Put a "number of the day" on the door to the outside. Have your child identify the number as they go in and out. Use the number as much as possible throughout the day.
 - b. Make flash cards and have your child flip through them daily. Mix them up each time.
 - c. Have your child put the cards in order.
 - d. Use the TV remote to name numbers.
 - e. Here is a website with counting activities - <http://handsonaswegrow.com/40-number-activities-for-preschoolers/>

3. Exposed to writing numbers 1-10
 - a. Practice writing numbers from 1-10 in chalk, in sand with a stick, with shaving cream, or pudding.

4. Count out up to 10 objects
 - a. Practice one-to-one correspondence. (If four people are eating dinner, how many forks do we need?)
 - b. Have your child put shoes away and count all of them.
 - c. Here is a link to counting games - <http://www.topmarks.co.uk/maths-games/3-5-years/counting>

5. Identify basic shapes (square, rectangle, oval, circle, triangle, heart, star)

a. While driving in the car, play a "shape game" where you and your child look for different shapes like circles, squares, rectangles, and triangles.

b. Here is a link to shape worksheets -

http://www.kidzone.ws/prek_wrksht/shapes.htm

6. Identify colors (black, brown, red, blue, yellow, green, purple, orange)

a. Play "I spy" where you and your child spy items of a certain color and the other person must guess what the spied item is.

b. This website allows children to practice sorting items by color

<http://www.sheppardsoftware.com/preschool/ngames/colors.htm>

c. This is a good resource for working on colors -

<https://www.speechbuddy.com/blog/speech-therapy-techniques/10-ways-to-teach-a-child-colors/>

7. Sort items (by color and/or size)

a. Sort toys by color to make a room size rainbow

b. Sort buttons or beads by shape

c. This website offers a lot of great ideas -

<http://inspirationlaboratories.com/ideas-to-practice-classification-for-kids/>

d. Sort Fruit Loops by color

8. Recognize basic patterns

- a. Put toys in a pattern (truck, ball, truck, ball)
- b. Practice making patterns (stomp, clap, clap, stomp, clap, clap)
- c. This website offers a lot of great ideas -

<http://www.themeasuredmom.com/simple-ways-teach-patterns-preschoolers/>

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Read a book with an adult. Count how many pages have pictures. How many pages don't have pictures? Which is more?	Make a hopscotch board outside with chalk. Write the numbers in and play the game.	Roll a die. Make a train with the rolled number of objects. Roll again. Make a new train with the new number of objects. Can you collect one train of each length?	Read a book that contains animals. Count how many animals are in the book.	Sort the change in your parents car (quarters, dimes, nickels, and pennies).	Make a picture with 5 of the same object (flowers, cars, candies). Color some of them one color and some another color. Tell a parent how many of each color you have and how many altogether.	Jump 3 times, once like a bunny, once like a frog, and once like a child. Measure each jump. Which jump was the shortest? Longest?
What part of your body can you use to measure?	Play "Mother May I?" with different kinds of steps (hops, jumps). Which kind of step will get you to the "Mother" best?	Play "Mother May I?" again with the same steps. Are your estimates getting better?	Keep track of the weather for the rest of this month. On a picture graph, keep track of rainy, sunny and cloudy days.	Make a picture using 2 circles, 3 triangles and some rectangles. Explain to a friend how you made it.	Write (or ask a friend to write) your first and last name. How many letters in each? How many more letters in your long name than in your shorter one?	As you walk or drive in the 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?
Practice skip counting by 5's. 5, 10, 15, 20, ...	Play War with cards. Who has the larger number?	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.	Help sort the laundry (by owner, by color, by size, by item type) Who in your family has the most socks?	Try a dot to dot online for a fun surprise. Go to www.apples4theteacher.com/dot2dot.html	Did you see more people wearing shorts, or pants today? Why might that change on another day?	Count the veggies going into your mouth tonight.
Help set the table for a meal. How many people are there? How many forks, spoons, knives do you need?	Look around your house. How many different shapes do you see? Why are they different?	Play a game with a friend. Ask a friend to tell you a number. Then you tell your friend what comes after (or before) that number.	Play the same game again with a friend. What about the game is mathematical?	How many more days until kindergarten?	Draw, build or sing your own pattern.	Make a list of all the shapes you can think of. Go on a scavenger hunt outside looking for those shapes. Check off the shapes you find.
With chalk, make a repeating pattern design on a sidewalk or driveway near you. Ask an adult first.	Build something with blocks or Legos. Decide how many you will use. Tell someone about the shapes you have made.	Practice counting beginning at numbers other than one. 4, 5, 6...; 17, 18, 19...; 32, 33, 34...	Play online. How many outfits can Bobbie Bear wear? www.illuminations.nctm.org Click on Bobbie Bear. Customize for more fun.	What would (or could) you do with your pennies if you had some?	Read a book with an adult. Count how many pages have pictures. How many pages don't have pictures? Which is more?	Make a picture with 5 of the same object (flowers, cars, candies). Color some of them one color and some another color. Tell a parent how many of each color you have and how many altogether.








Summer Math Calendar

PARENT SIGNATURE: _____

CHILD'S NAME: _____


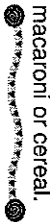



Think Summer, Fun, and Math!

Entering Kindergarten

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<p>Dear Families, This calendar is meant to provide a variety of different activities for the summer to help get you and your child start thinking about math. Do as many of the activities as you can. Do them in any order. Help your child with the activities and change them to suit your family's needs. Cross out each activity as you complete them. Bring your calendar to your child's teacher at the beginning of the school year to share all that you have been doing this summer. Enjoy a summer full of math.</p>						
<p>Collect shoes from different family members. Match up the pairs. Sort them into different groups.</p>	<p>Play the game I Spy with shapes. (ex. I spy something that is round and has 2 hands or I spy something that has 4 legs and is a rectangle.)</p>	<p>Count the number of cans in your cabinet. Sort them by category. Draw a picture of the cans you have the fewest of.</p>	<p>Clap in rhythm and patterns. Clap 3 times, then pat your legs. Do it again! Clap 3 times, then pause a beat, then clap 2 times. Do it again. Count while you clap.</p>	<p>Grab a handful of coins. Sort them. Can you name each type of coin? Find or draw a picture of something you could buy with that amount of money.</p>	<p>Tell what you did today in order. "First, I got dressed. Second, I went to the beach. Third, I had lunch, etc."</p>	<p>Make a guess. How long do you think it will take to get dressed? Have an adult time you as you get dressed. How close was your answer?</p>
<p>Look for the different shapes of traffic signs. Can you find a square, triangle, and rectangles on the road today?</p>	<p>Ask your child to estimate how many spoonfuls it will take to finish their cereal. Count each spoonful as they eat.</p>	<p>Draw what you were doing at 2 different times today when the minute hand or the clock was on the "12".</p>	<p>Name five different places you see numbers outside - on street signs, stores, or license plates. Draw one of the items and circle the number.</p>	<p>Count how many steps it is from your room to the kitchen and the kitchen to the living room. Which is closer? Which is farther?</p>	<p>Find out the age of your family members and arrange the ages from youngest to oldest.</p>	<p>Count the number or stairs in your house or the number of steps from your car to the store.</p>
<p>Find five things in your house that come in pairs.</p> 	<p>Make dots to match the numbers 1-10. Put five dots on a paper and make it into a picture.</p>	<p>Make a "911" and/or "My Telephone Number" sign and hang it near a phone.</p> 	<p>Play "Guess my Number". Use clue words: "more than" and "fewer than".</p>	<p>Predict how many spoonfuls it will take to finish your cereal. Count each spoonful as you eat.</p> 	<p>Grab a handful of cereal and estimate how many pieces you have. Now count them.</p> 	<p>Go around the house and count the windows and doors. Are there more windows or doors? Draw the one with more.</p>
<p>How many red, blue, orange, and green things can you find in your kitchen? Write down the numbers.</p>	<p>Write the names of the people in your house. Count the letters in each and circle the name that has the most letters.</p>	<p>Look for numbers everywhere you go today like the numbers on street signs, storefronts, or license plates.</p>	<p>Skip count by 2s, 5s and 10's to 100. Ask someone to time you and write down your best time.</p>	<p>Count how many times you can jump on two feet for one minute.</p> 	<p>Look inside a grocery store flyer. Cut out the numbers 1 - 20 and paste them in order on a sheet of paper.</p>	<p>Draw a picture of the license plate of your car. Circle the largest number on the license plate.</p> 
<p>Name all the people that live with you. How many are there?</p>	<p>See how many places you can find triangles today?</p>	<p>Practice your phone number today. Say it and write it.</p>	<p>Go on a Shape Hunt Look for items shaped like a square, rectangle and circle in your house. Draw the items.</p>	<p>Find all of your own shoes. Count how many you have? How many are just for summer? How many are just for the winter?</p> 	<p>Start at 10. Can you count backwards to 10. Ask someone for help if you can't. Try counting backwards all day long.</p>	

Think Summer, Math, and Fun!

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Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<p>More Math is all Around us! Measuring: A sense of size and weight is the beginning of understanding how to measure. When kids fill cups with water and then pour them out at bath time, they learn about full and empty, heavy and light, larger and smaller.</p>						
<p>Find a small jar of pennies, buttons, pasta, or candy. Now try counting them as you put them back. How many did you count?</p>	<p>Draw a circle in the middle of the paper; now change the circle into a picture.</p>	<p>Make a survey of people in your house about what their favorite season is. Draw the season of the one with the most answers.</p>	<p>Create a pattern using the shoes in your house. Draw a picture of your pattern.</p> 	<p>Count the number of steps it takes you to get from your front door to the refrigerator. Draw that many footprints.</p>	<p>Fill five cups with different amounts of water. Put them in order from the smallest amount to the largest. Shuffle the cups and see if you can order them from largest to smallest.</p>	<p>Count all the chairs in your house. Count all the tables in your house. Count all of the beds in your house. Which do you have more of?</p>
<p>Set the table for dinner. Count the plates, cups, spoons, knives and forks.</p>	<p>Create a hopscotch pattern outside and play with a friend.</p>	<p>Look at a calendar and count how many Mondays are in July and August. How many more days till the first day of school?</p>	<p>Create a pattern necklace using different types of macaroni or cereal.</p> 	<p>Create a border picture frame and draw a picture of yourself. Give your picture to someone special. Describe the pattern in the border to that person.</p>	<p>Draw a picture of your family from shortest to tallest and label each one.</p> 	<p>On a piece of paper or chalkboard, practice writing the numbers from one to ten.</p>
<p>If your parents have a coin jar, ask them if you can dump it out and sort the coins by color or by size. (Buttons, crayons, or any multi-colored objects will work.)</p>	<p>Practice saying your telephone number and your address.</p>	<p>Using a pencil, measure how high your bed is. Draw that many pencils.</p> 	<p>Create a number book from 0-10. On each page, draw an item to match the number.</p> 	<p>Continue your number book from 11-20.</p>	<p>Count aloud as you jump from your bed to the bathroom. Now skip back to your room.</p>	<p>Play store today. Gather a group of objects. Give each a price. Write the price on a piece of paper. Pretend to purchase a few items.</p>
<p>23 Count all the lamps or lights in your home. Which room had the most lights? Which room had the least?</p>	<p>Find five things that are as tall as you are.</p>	<p>Take a cookie today and divide it into half. Can you divide some pretzels, grapes, or some other food into halves?</p>	<p>Help out today. Help match the socks from the laundry. A matching pair of socks is the same color and size.</p>	<p>How high can you count? Practice counting coins, buttons, cereal, or anything else you can find.</p>	<p>Draw a picture of your home. Use a square for the house, a circle for the sun, and a triangle for the roof.</p>	<p>Pack up your math and reading calendars. Pack up your reading log. Bring these to your new kindergarten teacher.</p>

Student's Name _____

Parent's Signature _____