

Summer Math Activities Calendar for Students Entering 1st Grade - July

<p>1. Go to a store or market with an adult. Make a list of all the fruits you would eat. Sort them by color. Make a graph to show your sorting.</p>	<p>2. Keep track of the weather this week. How many sunny days? Rainy days? Cloudy days? How many more sunny days than rainy days?</p>	<p>3. Build something with blocks or Legos. Decide how many you will use. Tell someone about the shapes you have made.</p>	<p>4. Help set the table for a meal. How many people are there? How many forks, spoons, and knives do you need?</p>	<p>5. Swing 50 times or jump 50 times. How long did it take? Can you count backwards?</p>	<p>6. Make a picture using 2 circles, 3 triangles, and some rectangles. Explain how you made it to a friend.</p>	<p>7. Look in your food storage. Find 5 boxes of different sizes in your kitchen (cereal? pasta?) Line them up from tallest to shortest. Now, line them up from thickest to thinnest.</p>
<p>8. Take a walk outside. Record on paper how many insects, birds, and mammals you see.</p>	<p>9. Count how many steps it takes to get from your room to the kitchen. Then try giant steps. How many more regular steps did it take?</p>	<p>10. Sort the laundry (by owner, by color, by size, by item type). Who in your family had the most socks in this load?</p>	<p>11. Count 25 objects (Cheerios? raisins? rocks?). Now make a pile of 15 from that 25. How many are still left?</p>	<p>12. When you go out, count how many people are wearing short and long pants and compare. Why might that change on another day?</p>	<p>13. Write your first and last name. How many letters in each? How many more letters in your long name than in your shorter one?</p>	<p>14. Play a game that uses dice. Practice your addition facts that equal 6. 5+1 4+2 3+3 Are there more?</p>
<p>15. Play a board game that uses dice. Does any one of the numbers get rolled more than others?</p>	<p>16. With chalk, make a repeating pattern design on a sidewalk or driveway near you. <i>Ask an adult first.</i></p>	<p>17. Tell a friend a story problem for 3+2. Then try a story to go with 5-2.</p>	<p>18. 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?</p>	<p>19. Try a game like basketball, bowling, or mini golf. Help keep score. Who had the most points? Is that the winner?</p>	<p>20. Read <u>Two Ways to Count to Ten</u> by Ruby Dee. How many ways can you count to ten?</p>	<p>21. Play the game Collect 20¢ How many nickels can you use to make 20¢? How many pennies? How many dimes?</p>
<p>22. Draw a picture to show this problem: I made 8 hot dogs. The kids ate 4 of them. How many are left? Can you make your own picture problem?</p>	<p>23. Make a repeating pattern with seeds (or flowers) on a piece of masking tape sticky side up). Put the sticky ends together to make a bracelet.</p>	<p>24. Online Math Games http://www.sheppardsoftware.com/math.htm</p>	<p>25. Practice facts online http://www.mathplayground.com/games.html</p>	<p>26. Time your transitions by counting backwards. ex. "I will finish putting my shoes on in 20 seconds. 20, 19, 18....."</p>	<p>27. Play a game that uses dice. Practice your addition facts that equal 9. 4+5 6+3 Are there more?</p>	<p>28. Start a collection of rocks or shells. Estimate how many fit in your hands? Count to see. Put them in order from smallest to largest.</p>

Summer Math Activities Calendar for Students Entering 1st Grade - August

<p>1. 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.</p>	<p>2. Read <u>Ten Flashing Fireflies</u> by Philemon Sturges.</p> <p>Instead of fireflies in a jar, count the veggies going into your mouth tonight.</p>	<p>3. Look at a calendar. How many days are left until school begins? How many weeks? Predict how many will be sunny, rainy, snowy or cloudy. Can you find a way to keep track?</p>	<p>4. Make a picture using 3 circles, 4 triangles, and a shape with more than 4 sides. Can you make it symmetrical?</p>	<p>5. Play <i>Bobbie Bear</i> on the web:</p> <ul style="list-style-type: none"> ◆ illuminations.nctm.org ◆ Click on ACTIVITIES. ◆ K-2. Search. ◆ Select <i>Bobbie Bear</i> ◆ Select: Customize <p>How many outfits can you make with 2 shirts and 3 pants?</p>	<p>6. 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?</p>	<p>7. Bring different size containers to a place with sand or dirt. Fill them up and compare their weights. Build a sand castle. How many hand high is it?</p>
<p>8. Read <u>Benny's Pennies</u> by Pat Brisson.</p> <p>What would (or could) you do with your pennies if you had some.</p>	<p>9. Practice skip counting by 2s to 40 (2, 4, 6,.....)</p>	<p>10. Write down all the possible combinations that equal 10 (or 6).</p>	<p>11. Read <u>Inch by Inch</u> by Leo Leonni.</p> <p>What part of your body can you use to measure?</p>	<p>12. Play <i>Concentration</i> on the web:</p> <ul style="list-style-type: none"> ◆ illuminations.nctm.org ◆ Click on ACTIVITIES. ◆ K-2. Search ◆ Select <i>Concentration</i> <p>Play with numbers 1-10. Record your matches..</p>	<p>13. Practice facts online http://www.mathplayground.com/games.html</p>	<p>14. Make a list of all the (2D) shapes you can think of. Go on a scavenger hunt looking for those shapes. Check off the shapes you find.</p>
<p>15. Play Online Games http://www.math-play.com/Interactive-Math-Games.html</p>	<p>16. Online Games http://www.coolmath-games.com/</p>	<p>17. Use different shaped containers and wet sand or dirt to build a repeating pattern design. Can you label the pattern? ABAB; AABAAB; ABCABC</p>	<p>18. Play <i>Ten Frame</i> on the web.</p> <ul style="list-style-type: none"> ◆ illuminations.nctm.org ◆ Click on ACTIVITIES. ◆ K-2. Search ◆ Select <i>Ten Frame</i> ◆ Select # 3; Fill <p>Record all the number sentences with a sum of ten.</p>	<p>19. Read a book of your choice. What math ideas do you find in it?</p>	<p>20. Read <u>Pattern Fish</u> by Trudy Harris.</p> <p>Draw or build your own pattern.</p>	<p>21. Play <i>Bobbie Bear</i> on the web again.</p> <ul style="list-style-type: none"> ◆ illuminations.nctm.org ◆ Click on ACTIVITIES. ◆ K-2. Search. ◆ Select <i>Bobbie Bear</i> ◆ Select: Customize <p>How many outfits can you make with 3 shirts and 3 pants?</p>
<p>22. Online Math Games http://www.sheppardsoftware.com/math.htm</p>	<p>23. Practice counting on from numbers other than one. Start at 4..... Start at 17..... Start at 32..... Can you count backwards?</p>	<p>24. Practice facts online http://www.mathplayground.com/games.html</p>	<p>25. Math Around the World Where do you see math on a daily basis?</p>	<p>26. Play <i>Five Frame</i> on the web.</p> <ul style="list-style-type: none"> ◆ Illuminations.nctm.org ◆ Click on ACTIVITIES. ◆ K-2. Search. ◆ Select <i>Five Frame</i> ◆ Select # 3; Fill <p>Record all the number sentences with a sum of five.</p>	<p>27. Play a game with a friend.</p> <p>Practice counting backwards from big numbers. Start at 27. Try starting at 40.</p>	<p>28. Play the same game again with a friend.</p> <p>Did you use a strategy? Tell someone about it.</p>