

# Summer Math Activities for Students Entering 2nd Grade - July

<p><b>1.</b> Look inside a grocery store flier. Cut out the most expensive item and paste it on new paper. How much money would you need for 2 of them?</p>	<p><b>2.</b> Circle all the even numbers. <b>26, 95, 12, 72, 33, 94, 11, 110, 47.</b> How do you know each is even?</p>	<p><b>3.</b> Draw a picture of your family from shortest to tallest. Label each one.</p>	<p><b>4.</b> A pack of gum has 5 pieces in it. How many pieces of gum in 3 packs? 5 packs? 7 packs? 10 packs? Record.</p>	<p><b>5.</b> Three numbers in my fact family are 7, 3, and 10. What are 3 addition and 2 subtraction sentences you can make using these numbers?</p>	<p><b>6.</b> How many minutes are in 1 hour? In <math>\frac{1}{2}</math> hour? In a <math>\frac{1}{4}</math> hour? Record each.</p>	<p><b>7.</b> I have a machine that adds 5 to every number I put in. If I put in 4, what comes out? If I put in 16, what comes out?</p>
<p><b>8.</b> Draw a clock face. Draw the hands to show what time you go to bed.</p>	<p><b>9.</b> Skip count to 100 by 5s, 10s. Skip count to 50 by 2s. Record how long it took each time. Which took longer?</p>	<p><b>10.</b> 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?</p>	<p><b>11.</b> Estimate how many pieces of cereal are in <math>\frac{1}{4}</math> cup. Count the pieces. Now estimate how many <math>\frac{1}{4}</math> cups fill your cereal bowl. Check.</p>	<p><b>12.</b> 7+7 7+8 8+8 8+9 9+9 9+10 What clues help you solve these problems.</p>	<p><b>13.</b> Estimate the length of string you'd need to fit around a ball. Without measuring, cut the string that you think will work. Test your prediction. What did you notice?</p>	<p><b>14.</b> Create a repeating pattern with shapes like # # * # # *. Ask a friend what the 9<sup>th</sup> shape would be? the 10<sup>th</sup>? Have a friend make up a new pattern.</p>
<p><b>15.</b> Tell an adult an addition story problem to go with <math>4 + 8</math>. Now tell a subtraction story problem for <math>12 - 4</math>.</p>	<p><b>16.</b> Make a 3-D shape using mini marshmallows and toothpicks. How many corners does your shape have? How many edges?</p>	<p><b>17.</b> Cut out grocery store coupons your family may use. Sort into categories. Which has the most, least?</p>	<p><b>18.</b> I'm 7 years old &amp; my sister is 11. Who is younger? How much younger? I have 32 stickers and my sister has 9. Who has more? How many more?</p>	<p><b>19.</b> Look for five different places you see numbers inside or outside your house. Draw one of the items &amp; circle the numbers.</p>	<p><b>20.</b> Ask 10 friends or relatives their favorite color. Organize your data in a table or graph.</p>	<p><b>21.</b> Ask someone to read you a book. Record the start time and end time.</p>
<p><b>22.</b> Use quarters, dimes, and nickels to make \$1.00. How many different ways can you make \$1.00?</p>	<p><b>23.</b> Line up 3 different objects. Record the order. Now change the order. How many different ways can you line them up?</p>	<p><b>24.</b> Circle the odd numbers. <b>27, 16, 21, 54, 88, 45, 132, 347, 303.</b>  How do you know it is odd? Record.</p>	<p><b>25.</b> Find the temperatures for this past week. Record. Find the temperature for Las Vegas, NV this past week. Compare. What do you notice?</p>	<p><b>26.</b> Count backwards by 100s beginning with 900 and go back to 100. Record your numbers.</p>	<p><b>27.</b> Write as many number sentences as you can that have 14 for an answer.</p>	<p><b>28.</b> What number comes after 16? What number comes before 30? What numbers come before and after 57?</p>

# Summer Math Activities Calendar for Students Entering 2nd Grade - August

1. Blow a marble, a bottle cap, and a pencil across a table or the floor. Measure how far they go. Which goes the farthest? By how much?	2. Count by 2s to 50 starting at 12. Count by 10s to 64, starting at 4. What did you notice about the numbers you say?	3. Ask someone at home to time how long you can hop on your right foot, then your left. Which foot could you hop on longer? How much longer?	4. How many different ways can you use pennies, nickels and dimes to make 25 cents; to make 50 cents. Record all the ways.	5. Make dots to match the numbers 1 - 10. Use the dots from your favorite number and turn it into a picture.	6. Create an addition number story. Create a subtraction number story.	7. Find an adult's shoe. Measure the length in inches and centimeters. Record.
8. Do a yes/no survey asking friends and relatives "Do you like the rain?" Circle which side has the most.	9. Solve. I had 4 shells. I got 2 more. I got 3 more. I lost 2. How many shells do I have? Record and explain your thinking.	10. Count backwards from 30 to 0. Count backwards by 10s from 80 to 0. Count backwards by 5s from 40 to 0.	11. Sort the laundry into categories (by owner, by size, by color, by item type) What do you observe about the piles?	12. How many books do you have? First, make an estimate. Then count them. How close was your estimate?	13. What number comes after 27? What number comes before 50? Make up your own "what comes after, what comes before and ask a friend or relative to solve your problem.	14. I have a machine that adds 5 to every number I put in. If I put in 4, what comes out? If I put in 15, what comes out? Record.
15. If you see 8 people, how many eyes would you see? If there are 30 toes under the table, how many people are sitting at the table? Record and explain.	16. Roll 2 dice. Add the two digits to find a sum. Do this 20 times. What sum did you get the most often?	17. Cut out a picture from a flier or old magazine. Glue to a blank paper. Write a math story problem for the picture.	18. Grab a handful of coins. Sort them and find the value.	19. How long does the traffic light stay green? Red? How could you measure this? How much longer is 1 light than the other?	20. $0+1$ $1+1$ $2+1$ $3+1$ $4+1$ and $19+1$ What patterns do you see? Why?	21. Play a board game.
22. Jump 3 times; once like a bunny, once like a frog, and once like a child. Measure each jump. Which was the longest? Shortest? What is the difference?	23. I am 7 years old and my sister is 14. Who is younger? How much younger? I have 16 stickers and my sister has 9. Who has more? How many more?	24. Make a tally chart of the number of fruits and vegetables you ate today at your meals and for snacks. Did you eat 5 servings? Try again tomorrow.	25. Hiding game: Get 7 pennies. Put some in 1 hand and some in the other hand. Show 1 hand and have an adult figure out how many are in that hand. Switch roles. Play 10 times.	26. Get a pile of coins. Show all the ways to make 15 cents. How do you know you have them all?	27. Use these numbers in a story problem: 18, 9, 9. Write your own problem for a friend or relative to solve.	28. Play a game.  <b>Connect Four</b> or <b>Dominoes</b>

