

Summer Math Activities for Students Entering 4th Grade - July

<p>1. Record the temperature for 5 days. Temp _____ Temp _____ Temp _____ Temp _____ Temp _____ Graph the results.</p>	<p>2. 4 x 4 5 x 5 6 x 6 7 x 7 8 x 8 9 x 9 Name the pattern.</p>	<p>3. What time is it now? What time will it be in 6 ½ hours? What time was it 15 minutes ago? 18 minutes ago?</p>	<p>4. If Mia painted 400 finger nails, how many people did she see? If the vet examined 26 dogs, how many paws did she see?</p>	<p>5. If the movie actually began at 7:05 and finished at 8:45, how much time elapsed? If you left home at 6:35 and returned at 9:05, how long were you out?</p>	<p>6. Survey 10 people about their favorite ice cream or popsicle flavor. Create a pictograph to show the results. Remember to use a key.</p>	<p>7. With your parent make a list of items to get at the grocery store. Estimate the cost. Add up the cost after you buy them. Calculate the difference.</p>
<p>8. Find the perimeter and area of your front or back door. Record and explain.</p>	<p>9. Draw a design that has symmetry.</p>	<p>10. Draw a picture that only uses geometric shapes. Identify as many shapes as possible.</p>	<p>11. Get a canned food item. Record the diameter and circumference of the can in cm. (Hint: You may need a string for measuring the <u>circumference</u>)</p>	<p>12. Find a graph in the newspaper or on the computer. Write 3 statements about the graph.</p>	<p>13. Roll a die 25 times. Record the numbers that you roll each time. Which number came up the most? The least? What are the chances of rolling a 5?</p>	<p>14. Draw 8 of the same triangle. Color ¼ of the triangles. How many should you have colored?</p>
<p>15. John has \$10.00. John needs to buy two pens for \$1.29 each. Estimate how much it will cost. Find the exact total & change.</p>	<p>16. In the number 75,643 what number is in the ones place? Hundreds place? Ten thousands place?</p>	<p>17. If you get up at 7:30 and need to be at your friend's house at 8:15, how much time do you have to get ready if it takes you ten minutes to walk there?</p>	<p>18. Use a ruler to draw a 3 cm by 4 cm rectangle. Then find its perimeter. Now find its area. Be sure to label your answers. Now find the area and perimeter of a square that has sides that are 5 inches long.</p>	<p>19. Use the numbers 4, 5, 3, and 2 and any operations (addition, subtraction, multiplication, division) to create at least 10 story problems that all have different answers. Share them with a friend, sibling, or parent.</p>	<p>20. A cantaloupe weighs 56 ounces. There are 16 ounces in a pound. How many pounds does the cantaloupe weigh?</p>	<p>21. There are four cups in one quart and 4 quarts in a gallon. How many cups are there in 4 gallons of fruit punch? How many pints is this?</p>
<p>22. Linda is going to have new flooring put in her bedroom. If her bedroom is 8 feet by 10 feet, how many square feet of flooring is needed? What is the perimeter of Linda's bedroom?</p>	<p>23. Ben has 6 square tiles. Each tile has a width of 8 inches. He lays the tiles down in a long row. What is the perimeter of the row of tiles?</p>	<p>24. Evan can paint 18 pots in one hour. His brother can paint 4 fewer pots per hour than he paints. How many pots can they paint in 3 hours, 30 minutes?</p>	<p>25. Make the largest and the smallest numbers you can using 4, 1, 7, 8, 5, and 2. Find their difference and their sum.</p>	<p>26. Grab a handful of marbles, candy or something similar. Estimate the weight in ounces. Weigh the objects you used and find the difference between your estimate and the actual weight.</p>	<p>27. Fill a sandwich bag with cereal. Estimate how many pieces are in the bag. Count to see how many there are. Find the difference between your estimate and the actual number.</p>	<p>28. Three consecutive numbers have a sum of 30,000. What are the numbers? After you solve this problem, make up a similar one for a family member or friend to solve.</p>

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<p>1. Measure your height in inches. How many cans of soup do you think it would take to equal your height? How can you find out if you are right.</p>	<p>2. Add $\\$432.17 + 19.20 =$ Check your answer with subtraction.</p>	<p>3. What time is it now? What time will it be in 45 minutes? Record.</p>	<p>4. If you get up at 6:00 a.m. and need to be at a friend's house by 10:45 a.m. how much time has passed between the two times?</p>	<p>5. Use a ruler to draw a rectangle measuring 12 cm long and 4 cm wide. Find the area and perimeter.</p>	<p>6. Roll 2 die 25 times. Multiply to find the product. Record. Create a bar graph to show the results. Describe your data.</p>	<p>7. Write a story problem that can be solved using the number sentence $9 \times 3 = \underline{\hspace{2cm}}$. Share it with a friend, sibling, or parent.</p>										
<p>8. If you called London, England at 8:00 p.m. Connecticut time. What time would it be in London? (Hint: London is 5 hours ahead)</p>	<p>9. Find a shoebox and measure the <u>perimeter</u> of the top of the box. If a stamp is 1 inch by 1 inch how many stamps would you need to make a border around the top?</p>	<p>10. Is there a street parallel to your street? Look on a map and find 2 streets that are parallel and 2 streets that are perpendicular to each other.</p>	<p>11. Finish the table. What's the rule?</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="padding: 2px;">Input</th> <th style="padding: 2px;">Output</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">2</td> <td style="padding: 2px;">50</td> </tr> <tr> <td style="padding: 2px;">4</td> <td style="padding: 2px;">100</td> </tr> <tr> <td style="padding: 2px;"></td> <td style="padding: 2px;">200</td> </tr> <tr> <td style="padding: 2px;">6</td> <td style="padding: 2px;"></td> </tr> </tbody> </table>	Input	Output	2	50	4	100		200	6		<p>12. Looking at a calendar, ask a friend to choose 4 days that form a square. Your friend should tell you only the sum of 4 dates and you determine the dates.</p>	<p>13. What number do you add to 74 to get 100? What are 2 numbers you can add to 245 to get 300? $245 + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = 300$</p>	<p>14. When you buy school supplies (backpack, clothes, etc...) keep track of the amount you spend. Total up the cost.</p>
Input	Output															
2	50															
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	200															
6																
<p>15. Lisa has 4 boxes of crayons. Each box has 8 crayons. How many crayons in all?</p>	<p>16. How many hours did you sleep last night? Bedtime: <u> </u> Wake time: <u> </u></p>	<p>17. Find out your height and/or weight. How many cans of soup would it take to equal your weight? Estimate and check.</p>	<p>18. Find the perimeter of the front of a cereal box in cm. Can you draw a different shape with the same perimeter? Use a cm ruler.</p>	<p>19. Estimate the number of pieces of flatware in your kitchen. Count to check. How many people could you serve at 1 time? Est <u> </u> Exact <u> </u></p>	<p>20. 8×4 8×5 8×6 8×7 What clues help you? Skip count by 8s forward & backward.</p>	<p>21. How many seconds are in 5 minutes? How many minutes are in 4 hours? How many seconds are in $2 \frac{1}{2}$ minutes?</p>										
<p>22. Roll 4 dice together and multiply to find the <u>product</u>. Record the product. Do this 25 times.</p>	<p>23. 6×4 6×5 6×6 6×7 What clues help you? Skip count by 6s forward and backward.</p>	<p>24. I am thinking of an even number. It is <i>greater</i> than 7×6 and less than 6×10. It has a factor of 7. What numbers can I be?</p>	<p>25. Count the change an adult has this morning. Count the change an adult has this evening. What's the difference?</p>	<p>26. 4×4 4×5 4×6 4×7 What clues help you? Skip count by 4s forward & backward.</p>	<p>27. $60 \div 5 = \underline{\hspace{1cm}}$ $55 \div \underline{\hspace{1cm}} = 5$ $50 \div 5 = \underline{\hspace{1cm}}$ $45 \div \underline{\hspace{1cm}} = 5$ $35 \div 5 = \underline{\hspace{1cm}}$ What's your strategy?</p>	<p>28. Complete the problems using $>$, $<$, $=$: $471 \underline{\hspace{1cm}} 147$ $19 + 7 \underline{\hspace{1cm}} 9 + 20$ $4 \times 9 \underline{\hspace{1cm}} 6 \times 6$</p>										