

PCS Summer Math Activities for Students Entering 4th Grade

<p>1. Record the temperature for 5 days. Temp _____ Temp _____ Temp _____ Temp _____ Temp _____ Graph the results.</p>	<p>2. Find a recipe to bake with an adult. Record all the math you do while baking (and tell what you made).</p>	<p>3. What time is it now? What time will it be in $6\frac{1}{2}$ 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? Notice the time when you leave to go somewhere. Look at the time when you return. Where did you go and how long were you gone?</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 the items. Did you spend more or less money than you estimated? How much more or less?</p>
<p>8. Find the perimeter and area of your front or back door. Record and explain. How you found your answers.</p>	<p>9. Draw a design that has symmetry. Draw the line(s) of symmetry on the design.</p>	<p>10. Draw a picture that only uses geometric shapes. Identify as many shapes as possible.</p>	<p>11. Measure a rectangular room in your house using feet (round to the nearest whole foot.) Record the dimensions (length and width. Then find the area of the room and the perimeter of the room.</p>	<p>12. Find a graph in the newspaper or on the computer. Write 3 things you notice from reading 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 square. Color $\frac{1}{4}$ of the squares. How many squares did you color?</p>

<p>15. John has \$10.00. John needs to buy two pens for \$1.29 each. Estimate how much it will cost. After you estimate, find the exact total. How much money does he have left?</p>	<p>16. In the number 75,643 what number is in the ones place?</p> <p>Hundreds place?</p> <p>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. Find a picture frame and a baking pan. Measure and record the dimensions of each and then find the perimeter of each.</p>	<p>19. Use the digits 4, 5, 3, and 2 and any operations (addition, subtraction, multiplication, division) to create at least 3 story problems that all have different answers. Share them with a friend, sibling, or parent.</p>	<p>20. A cantaloupe weighs 48 ounces. There are 16 ounces in a pound. How many pounds does the cantaloupe weigh?</p>	<p>21. Find 7 items in your kitchen. Look at the labels to see how they are measured. List the item, the measurement, and whether it's length, capacity/volume, or weight. (Ex. mac&cheese = 7.25 oz., weight)</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?</p> <p>What is the perimeter of Linda's bedroom? <i>(Hint: Draw & label a rectangle to help solve the problem.)</i></p>	<p>23. Outside, make an x with chalk for your feet to stand on. Have someone trace your shadow at 8am, noon, and 8pm. Measure and record the length of your shadows.</p> <p>What do you notice?</p>	<p>24. Watch a 30 minute show on TV with an adult. Time how long the commercials are. How long was the TV show, NOT including the commercials?</p>	<p>25. Make the largest and the smallest numbers you can using (all) of the digits 4, 1, 7, 8, 5, and 2.</p> <p>Find the sum and the difference of the two numbers.</p>	<p>26. Heart rate: Have an adult help you count your pulse for 10 seconds. How many beats is that in 1 minute?</p> <p>Now, complete 50 jumping jacks. Count your pulse again for 10 seconds. How many beats is that in 1 minute?</p> <p>What happens to your heart rate when you exercise?</p>	<p>27. Grab a handful of cereal. Estimate how many pieces are in your hand.</p> <p>Count to see how many there are.</p> <p>Find the difference between your estimate and the actual number.</p>	<p>28. Three consecutive numbers have a sum of 3,000. What are the numbers? After you solve this problem, make up a similar one for a family member or friend to solve. <i>(Hint: Consecutive numbers numbers in a row like 56, 57, 58.)</i></p>