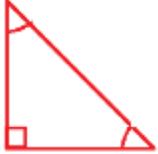
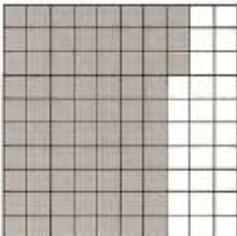
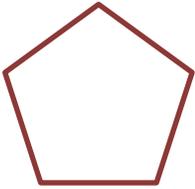
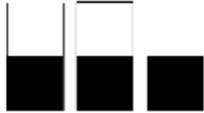
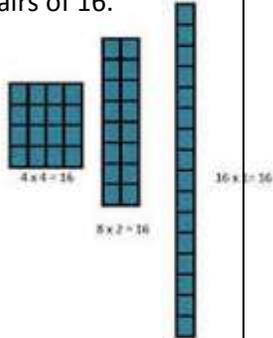


Answer Key

Summer Math Activities Calendar for Students Entering 5th Grade - July

<p>1. As you complete your Summer Reading, keep track of how many pages you read each day. Convert these numbers into fractions and plot how much of your book you have been reading on a number line.</p>	<p>2. Play Toothpick Triangles. (See Attached)</p>	<p>3. The population of CT was estimated in 2013 to be 3,596,080 by the U.S. Census. Find another state that has a population that would be the same if it were rounded to the nearest hundred thousand. Can you find a country that would have the same population if rounded to the nearest hundred thousand? State: Puerto Rico Country: Moldova</p>	<p>4. Caroline ate $2\frac{2}{3}$ pieces of pizza. You ate $3\frac{2}{3}$ pieces. How much pizza did you eat altogether? 6 $\frac{1}{3}$</p>	<p>5. Measure the perimeter of your house to the nearest meter. Draw a picture and try to find the area of your house.</p>	<p>6. Play Measuring Angles</p> <ul style="list-style-type: none"> Go to http://www.abcya.com Choose Grade 4 Select Measuring Angles 	<p>7. Draw a right triangle with two equal angles. Where do you see this shape around you?</p> 
<p>8. If a calculator costs \$21 and a pack of batteries costs \$7, how many times greater is the calculator than the pack of batteries? $21/7 = 3$ times greater</p>	<p>9. Play Puzzle It Out. (See Attached)</p>	<p>10. Make flashcards for all of the multiplication facts. (See list attached) Practice your multiplication flashcards.</p>	<p>11. Round 756,072 to the nearest hundred. Write a number that is greater than 756,072 that rounds to that same number. 756,000 Sample: 756,498</p>	<p>12. Write a decimal for the model:</p>  <p style="text-align: center;">73</p>	<p>13. Play Papa's Pizzeria</p> <ul style="list-style-type: none"> Go to http://coolmath-games.com Choose All Games A-Z Choose Papa's Pizzeria 	<p>14. Harold made a rectangular dog run in his backyard. The area of the dog run is 96 square feet. What are three different possible dimensions of the dog run? 2×48 3×32 4×24 6×16 8×12</p>

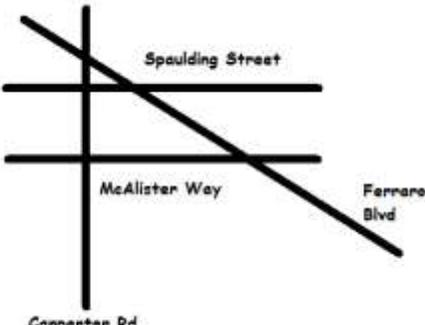


<p>15. Draw a figure that has exactly 5 lines of symmetry.</p> 	<p>16. Complete the Fishy Bowls Activity (See attached).</p>	<p>17. Jackie volunteers at a food bank. There are 2,846 meals to give away to needy families. Each family is allowed 4 meals. How many families will receive meals? How many meals are left over? $2846/4 = 711.5$ 711 families with 2 left over</p>	<p>18. Practice your multiplication flashcards.</p>	<p>19. Write an equation and show the product of this model:  $1/2 + 1/2 + 1/2 = 1 \frac{1}{2}$</p>	<p>20. Play Measuring</p> <ul style="list-style-type: none"> Go to http://www.abcya.com Choose Grade 4 Select Measuring <p>Play cm with halves and inches with eighths.</p>	<p>21. Make three different arrays to show the factor pairs of 16.</p> 
<p>22. Make flashcards for all of the division facts. (See list attached) Practice your division flashcards.</p>	<p>23. Complete the Roll to a Meter activity (See attached).</p>	<p>24. Using the ads from the newspaper, find your favorite snack at 3 different grocery stores. Put their costs in order. Which store should you buy it at?</p>	<p>25. Using an empty milk carton and a measuring cup, determine how many cups make a gallon. How many cups would you need to fill 8 gallons?</p>	<p>26. What uppercase letters of the alphabet have exactly one line of symmetry? What letters have exactly two lines of symmetry? What letters have no lines of symmetry? Is it the same for lowercase letters?</p>	<p>27. Play The Number Line Game</p> <ul style="list-style-type: none"> Go to http://www.abcya.com Choose Grade 4 Select Number Line Game <p>Play fractions.</p>	<p>28. Play a game such as Connect Four, Checkers, Chess, etc. to work on your strategies skills.</p>
<p>29. Rachel is making fruit punch for a party. The recipe calls for 22 cups of orange juice, 12 cups of apple juice, and 6 cups of pineapple juice. If each guest drinks 3 cups of punch, how many guests will it serve? $22 + 12 + 6 = 40$ $40/6 = 6 \frac{2}{3}$ 6 guests</p>	<p>30. Complete the State Bird Challenge (See attached).</p>	<p>31. Practice your division flashcards.</p>	<p>Upper case: 1 Line: A, B, C, D, E, I, K, M, T, U, V, W, Y 2 Lines: H, O, X Lower case: 1 line: c, l, m, v, w, 2 lines: o, x</p> 			

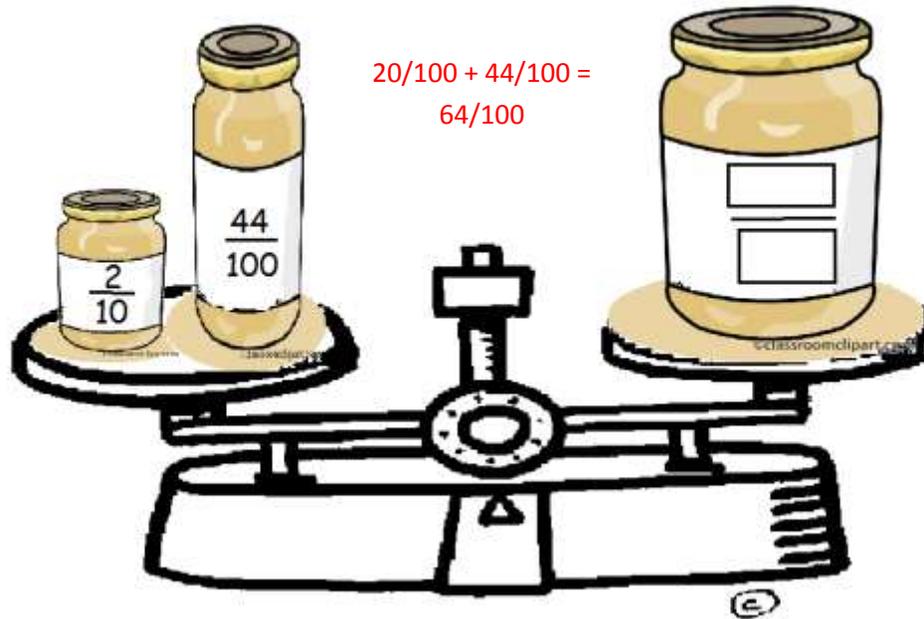
Summer Math Activities Calendar for Students Entering 5th Grade - August

<p>1. What is the missing digit in this equation:</p> $\begin{array}{r} 800,000 \\ - \square 6,863 \\ \hline 753,137 \end{array}$ <p style="text-align: center; color: red; font-weight: bold;">4</p>	<p>2. Play a game like basketball, bowling, or mini golf. Help keep score. Who had the most points? Who had the least points? Who won the game?</p>	<p>3. Ray has a pizza divided into 8 slices. He ate 3 slices. Katie has a pizza that is the same size but she ate $\frac{1}{4}$ of the pizza. Who ate more pizza?</p> <p style="text-align: center; color: red; font-weight: bold;">Ray $\frac{3}{8}$ Katie $\frac{2}{8}$ Ray ate more</p>	<p>4. Mark is making a stained glass window. He put together two pieces of stained glass. The first piece has an angle measure of 73° and the second piece has an angle measure of 58°. What is the total measure of the angle formed by the two pieces? What type of angle is this?</p> <p style="text-align: center; color: red; font-weight: bold;">$73 + 58 = 131$, obtuse</p>	<p>5. Mix your multiplication and division flashcards together and practice both</p>	<p>6. Play Fraction Fling.</p> <ul style="list-style-type: none"> Go to http://www.abcya.com Choose Grade 4 Select Fraction Fling. <p>Play with Mixed Numbers.</p>	<p>7. Create a flag for McAlister Intermediate School that has at least two lines of symmetry.</p>
<p>8. What are the missing multiples:</p> <p>6, __, __, 24, 30, 36, __, 48, __</p> <p style="text-align: center; color: red; font-weight: bold;">12, 18, 42, 54</p>	<p>9. Complete the Make a Peacock activity (see attached).</p>	<p>10. Mix your multiplication and division flashcards together and practice both</p>	<p>11. The tallest man alive is 99 inches tall. About how many feet tall is he? How tall is he in feet and inches (Hint: If I'm 63 inches tall, I am 4 feet 3 inches tall)?</p> <p style="text-align: center; color: red; font-weight: bold;">$99/12 = 8 \frac{1}{4}$ About 8 ft tall 8 ft 3 in</p>	<p>12. Help your parents cook dinner or bake dessert. Help measure out liquids and solids in measuring cups.</p>	<p>13. Play Tangrams.</p> <ul style="list-style-type: none"> Go to http://www.abcya.com Choose Grade 4 Select Tangrams 	<p>14. Paul's heartbeat is 92 beats per minute. How many beats per hour is this? How many beats per day? How many beats per week? How many beats per month?</p> <p style="text-align: center; color: red; font-weight: bold;">$92 \times 60 = 5520$ beats per hour $132,480$ beats per day $927,360$ beats per week $3,709,440$ beats per month</p>



<p>15. Use the numbers 5, 3, 2, 8, 6, and/or 4 to complete the number sentence. Each can only be used once!</p> $\frac{4}{\square} > \frac{\square}{\square} > \frac{2}{\square}$ <p style="color: red;">$4/5 > 3/6 > 2/8$</p>	<p>16. Mix your multiplication and division flashcards together and practice both</p>	<p>17. Place Ice Cream Shop.</p> <ul style="list-style-type: none"> Go to http://mrnuussbaum.com/icecream/ Begin playing. 	<p>18. Melissa is studying plant growth for her science fair project. Her plant grew $\frac{5}{6}$ of an inch each week for 4 weeks. How many inches did the plant grow in all? Between what two whole numbers does the plant growth lie?</p> <p style="color: red;">$5/6 \times 4 = 20/6 = 3 \frac{1}{3}$ inches</p> <p style="color: red;">Between 3 and 4 in</p>	<p>19. Measure your garden hose in feet. About how many yards is this? (Hint: 3 feet make a yard)</p>	<p>20. Play Division with Remainder</p> <ul style="list-style-type: none"> Go to http://www.math-play.com Choose 4th Grade Math Games Choose Division with Remainder 	<p>21. Draw a square with side lengths of 4 inches. What is its area and what is its perimeter? If you double the side lengths, what happens to the perimeter? Does the same thing happen to the area?</p> <p style="color: red;">$A = 16 \text{ sq in, } P = 16 \text{ in}$</p> <p style="color: red;">Double Sides:</p> <p style="color: red;">$A = 64 \text{ sq in, } P = 32 \text{ in}$</p> <p style="color: red;">Area is $\times 4$, Perimeter is $\times 2$</p>
<p>22. Draw a map showing Spaulding Street parallel to McAlister Way and Carpenter Road perpendicular to Spaulding Street. Include on your map Ferraro Boulevard which intersects but not parallel to or perpendicular to the other three streets.</p> 	<p>23. Make an Origami Jumping Frog (see attached)</p>	<p>24. Create the largest number possible that is bigger than 100,000 and smaller than one million that has the same digits in the hundred thousands and hundreds places. Create the smallest number possible under one million that has the same digits in the hundred thousands and hundreds places. What is the difference of these two numbers?</p> <p style="color: red;">$999,999$</p> <p style="color: red;">$909,000$</p> <p style="color: red;">$999999 - 909000 = 90999$</p>	<p>25. Is it true that $3\frac{1}{8} + 4\frac{5}{8} = 7\frac{6}{8}$?</p> <p>Write a subtraction sentence to verify this.</p> <p style="color: red;">$7\frac{6}{8} - 4\frac{5}{8} = 3\frac{1}{8}$</p> <p style="color: red;">Yes it is true</p>	<p>26. Mix your multiplication and division flashcards together and practice both</p> 	<p>27. Play Math BINGO</p> <ul style="list-style-type: none"> Go to http://www.abcya.com Choose Grade 4 Select Math BINGO <p>Play all operations at all levels.</p>	<p>28. If a water bottle holds $\frac{45}{100}$ liters of water, how many water bottles can you fill with $\frac{9}{10}$ liters of water?</p> <p style="color: red;">$9/10 = 90/100$</p> <p style="color: red;">$90/45 = 2$</p> <p style="color: red;">2 water bottles</p>

29. What must the last jar say to be balanced?



30. Make a schedule for your morning routine for school (when you wake up, when you shower, etc.) to the nearest minute. Try this routine for the next few days as you get ready to start the new year!

31. Play Build the Bridge

- Go to <http://coolmath-games.com>
- Choose All Games A-Z
- Choose Build the Bridge

