July 2022 – Third Grade Summer Math Calendar

				1 Find the mean of the number of pages of your 3 favorite chapter books. (Hint: Find the total number of pages and divide by the number of books.)
4	**5** Find 10 items in your house that are less than one-foot long. Estimate how many inches long each item is. Measure the items and find the difference between your estimates and the actual lengths of the items.	**6** Go outside and gather as many rocks or pebbles as you can in 10 minutes. Count how many you have and multiply this number by 6 to see how many rocks you could gather in one hour (60 minutes).	**7** Look in the newspaper to find out how many minutes long a movie you would like to see is. Multiply the number of minutes by 2. Determine how many hours and minutes this is.	**8** What time did you go to bed last night? What time did you get up this morning? Draw 2 clocks and show these times. How many hours did you sleep?
11 Count the number of letters in each family member's names. Find the mean of these numbers by adding these numbers together and dividing by the number of names you used.	**12** Determine how much you would spend if you had to mail 9 letters that each needed a 37 cents stamp and one box that needed $2.43 in postage.	**13** If you have a bag of red marbles and blue marbles, what is the least number you have to grab in order to have two matching marbles in your hand?	**14** Have a multiplication bee with another family member using flash cards.	**15** Weigh yourself on the scale. Multiply the number of pounds by your age.
18 If your family ordered two pizzas for dinner and each pizza had 8 slices in it, how many pieces of pizza would each of your family members be able to have (they each must have the same number of pieces). What could you do with any left over pieces?	**19** Using a small bag of pretzels, lay the pretzels out in even rows. (You may eat any leftovers.) Divide the total number of pretzels by the number of rows. Repeat this several times by making a different number of even rows.	**20** Find a book you want to read. If you were to read this book in exactly one week, how many pages would you have to read each day, if you read the same number of pages each day? Start reading the book today and see if you can finish it within seven days. Good Luck!	**21** Count the money in your piggy bank or gather a handful of coins and determine the value. If you had to spend all of it within 5 days, how much money would you have to spend each day? (You must spend the same amount of money each day.)	**22** Draw two of each shape below. Color $\frac{1}{2}$ of one of each shape. Color $\frac{1}{4}$ of one of each shape.
25 Find containers that measure one cup, 1 pint, 1 quart, and 1 gallon. Determine how many cups are in a pint, pints in a quart, and quarts in a gallon. Explore to find other equal measures such as the number of cups in a quart and so on.	**26** Go on a scavenger hunt in your home! See how many three-dimensional shapes you can find. Look for rectangular prisms, cylinders, cubes, cones, pyramids and spheres.	**27** Draw a picture of a building using squares, rectangles, triangles, and circles. How many of each did you include? Try to draw another picture that has more shapes in it.	**28** Fold a piece of paper to show how many lines of symmetry it has. Try this with other shapes such as circles, triangles, and squares to determine how many lines of symmetry they each have.	**29** Write each of the following fractions on an index card. $\frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \frac{1}{5}, \frac{1}{6}, \frac{1}{8}, \frac{10}{20}, \frac{4}{12}, \frac{2}{8}, \frac{2}{10}, \frac{2}{12}, \frac{2}{16}$. Match each card with its equivalent fraction. Have a parent check your cards.