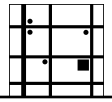
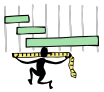
July 2025 - Fifth Grade Summer Math Calendar

	1 On July 1 in 1847, the first postage stamp was issued. Today only about 3,000 of those 900,000 stamps remain in existence. Express the number of the first postage stamps remaining in existence as a fraction and then as a decimal.	**2** Find the starting time of a movie. If it takes you 30 minutes to drive to the theater and 25 minutes to get your ticket and popcorn, what time should you leave your home in order to be seated 15 minutes before the movie begins?	**3** Lay 10 pennies end to end on a table. Estimate how many pennies it would take to form a line along the entire length of the table. Write an explanation of how you got your estimate. Now determine how many pennies it would actually take to form a line of pennies along the table.	**4** Draw a 3.4" by 4.5" rectangle. Then find its perimeter and then its area. Label your answers. Do that with a square with 5.25-inch long sides.
7 List at least 15 different combinations of coins that equal $1.26. Share this list with a family member or friend and see if they can find other combinations. 	**8** Six friends are going to run a relay race that is 3.12 miles long. Each friend will run an equal distance. How many miles will each friend run?	**9** Jess has $13.85 in nickels.How many nickels does she have?	**9** Use the following numbers (4, 6, 3, 2) and any operations (+, -, x or ÷) to get as close to 50 as possible.	**10** $b \times c = 2{,}280$ What are some possible values of *b* and *c*? 
14 Place a plastic bowl on the floor and stand about 20 footsteps away. Toss a coin into the bowl 20 times and record how many times you successfully tossed the coin into the bowl. Express this as a fraction. Express this as a percent (how many out of 100).	**15** Look online and find the playing time of a movie. If the movie started playing at 1:35 p.m., what time would it be over? What time would it end if it began playing at 2:15 p.m.? 	**16** Today is National Hot Dog Day. At a hot dog stand, you order either a turkey or beef hot dog on a white or whole-wheat bun. For toppings, you choose 1 of the following: ketchup, mustard, relish, or onions. List all the different types of hot dogs you can order. 	**17** Write down possible combinations of coins that equal $1.00 for fifteen minutes. Estimate how long it would take you to list all possible combinations if there are 294 combinations. 	**18** Round the following numbers to the nearest tenth: 5.734 5.56 5.604 5.682
21 Choose a destination from your home. Create a map to that location including: labels, street names, and approximate distances. 	**22** Take a step forward and measure the length of your step from the heel of your front foot to the back heel of your other foot in inches. Go for a walk around the block and keep a count of how many steps you take. How many inches did you walk?	**23** There are 63,360 inches in one mile. If you walk the same amount every day as you did when you walked around the block yesterday, how many days would it take you to walk one mile?	**24** Make a wish list of 5 things you would like to purchase including their prices. Find the total amount including 7% sales tax. (Hint: Determine the amount of tax on each item by multiplying the cost by .07. Round to the nearest cent.)	**25** List in all the ways numbers and math were used in a fun activity you did this summer. (For example, if you went swimming the length, width, and depth of the pool were expressed as a unit of measurement such as feet or meters.)
28 Symmetry is all around us in nature and in our home. Find 5 items that have at least one line of symmetry. Print your name. Do any letters of your name have one or more lines of symmetry?	29 Pretend the total postage on each piece of mail that your family received on Monday through Wednesday of this week was $8.76 .If each stamp costs 73 cents, How many pieces of mail did you get?	30 Round the following numbers to the nearest hundredth: 3.567 4.609 7.572 3.997	31 Measure the height of your family members. The tallest is taller than the shortest by how many feet? By how many inches?	

August 2025 - Fifth Grade Summer Math Calendar

				1 June 8th is National Best Friend's Day. Think about how long you have known your best friend. Rounding to the nearest year, about how many years have you known your best friend? Now, calculate how many months, days, hours and minutes.
4 Estimate the capacity of a small cooking pot in ounces. Now find the capacity of the cooking pot by filling it with water and measuring how much water it holds. Find the difference between your estimate and the actual capacity of the pot. Repeat this with other objects such as drinking glasses.	**5** A container holds 100 teaspoons of water. What might the container look like? 	**6** Suppose the mileage on a car was 48,234 miles at the beginning of the day. That evening the mileage was 48,369 miles. How many miles was the car driven that day? If the driver drove at an average of 45 mph, how long did he or she drive?	**7** Look around your house or yard for tessellation patterns. Many tessellation patterns are found in fabrics, tile flooring, and in nature. Draw several of the patterns on a piece of paper. List all of the shapes that are used in the patterns. Create your own shape that tessellates.	**8** Wally mailed a package with three 85-cent stamps, two 37-cent stamps, and 9 one-cent stamps. What was the total postage on this package? If Wally gave the clerk a ten-dollar bill to pay for the stamps, how much change should he have received?
11 Find your pulse in your neck or wrist and count the number of beats in 15 seconds. Now find out how many beats per minute (multiply by 4). Do jumping jacks for 1 minute and then take your pulse for another 15 seconds. Find the number of beats per minute.	**12** Predict which family member's head has the largest circumference (distance around the outside). Using a string, measure the circumference of each family member's head. Write comparison statements for these measurements using <, >, or =. 	**13** If a block of cheese weighed 2/3 of a pound and you cut the block up into 4 equal pieces. What would the weight of each piece of cheese be? 	**14** Find a recipe for cookies, cake, brownie, or another food. Calculate how much of each ingredient you would need if you had to double the recipe. Next calculate how much of each ingredient you would need if you had to half the original recipe. 	**15** Find the volume of a sandbox that is 12 in. tall, 48 in wide, and 46 in. long. How many cubic inches of sand will he need to fill the sandbox?
18 Record the ages of your family members. Write an algebraic equation comparing 2 family members' ages. (Ex. Let your age = A. If you are 10 and your mom is 34, you could use the equation: 3A + 4 = 34.)	**19** Estimate and then measure the length and width of a room in your house using 2 different nonstandard measures (footsteps, skateboard, game board, etc.). What is the area of this room? 	**20** Find 5 books or magazines in your home. Record the number of pages in each book. Find the mean (average) and median (middle number when numbers are put in order) of these numbers. 	**21** Using a box of food such as cereal, find the surface area of the box (find the area of each face by multiplying length x width and then add all 6 areas together). Then find the volume of the box (V = l x w x h).	**22** Estimate the quotient and then solve the following problems:. 3,457 ÷ 22 4,428 ÷ 43 12,671 ÷ 62
25 Your 3 favorite movies are on sale at the store. They're $9.99, $12.99 & $19.99. You have a $20 bill,1 five and three singles. How many movies can you buy?	**26** Calculate the average age of the people that live in your house. How would the average change if your grandmother lived with you and she was 75 years old?	**27** Vicki walks her dog 1.3 miles twice a day. How many miles does she walk her dog in a week? A month?	**28** Suppose you found three packets of gold dust. They weighed .29 ounces, 1.07 ounces, and 0.92 ounces. You need to find how much more gold dust you need to make 3 ounces.	**29** Estimate the product and then solve the following problems:: 4,327 x 24 6,792 x 36 13,462 x 48