Students Entering **Grade 4**   Summer Math 2019   Name: _____

Math is a year-round activity, including the summer, and it is important that students practice even when they are not at school. This list of math activities can be used by students and parents to help ensure that math skills stay strong.

Students may also use IXL to work on summer math. If you do, the program will keep track of the time you are working so that you can be recognized for your effort when you return in the fall! If you need help on access, parents can learn more by using these links:
Summer Parent Handout (English) or by typing https://bit.ly/2HXRRt9
Summer Parent Handout (Spanish) o escribiendo https://bit.ly/2QNgs6I

If accessing technology is a problem, students may use the computers at the Malden Public Library at 36 Salem Street.

1. What number am I? I am less than 25 x10 and greater than 22 x10. I am a multiple of 5. I am odd. The sum of my digits is 10. Write your answer and explain how you solved it.

2. If Mia painted 400 fingernails, how many people did she see? Write an equation with your answer. Show your work or explain how you got your answer.

3. Pick a spot in your yard, garden, play area or whole yard. Measure and record the perimeter and the area. Draw a diagram with dimensions.

4. Show as many different ways as you can to make $10.35.

5. Ask at least 20 family and friends what their favorite summer activity is. Use a line plot to show the results.

6. Look for a recipe with ingredients that include fractions. Record your findings.

7. Make a pictograph to illustrate the categories (fiction, nonfiction, fantasy, etc.) of books on a bookshelf in your house. Include a key.

8. Find shapes outside of your house that have right angles. Draw pictures of the shapes and label the right angles.

9. What cars are parked on your street? Create bar graph of the make of cars parked on your street (ex. Honda, Ford...) Record how many more of one make of car there is than another.

10. Record how many people are in your extended family (aunts, cousins, siblings, parents, etc.) Write the fraction (ratio) of adults to children.

11. Cut two sandwiches, one into 3rds and one into 4ths. Record which pieces are bigger. Explain why.

12. Write and solve your own two-step story problem using 3-digit numbers. Show your work.

13. If the movie actually began at 7:05 and finished at 8:45, how much time elapsed? Write your answer and show your work.

14. Roll dice or turn over 2 playing cards (numbered cards only) to get two numbers to multiply. Record the equations and the product. Repeat 10 times. Then write a turn-around division equation for each multiplication equation.

15. Record an estimate of the time it would take for a walk around the block. Then time yourself. How long did it take you? Write the duration in digital time. (Example: 1:30 is one hour and thirty minutes.) Record exactly how close your actual time was to your estimate.

16. Use mental math and record how many nickels you have if you have $5.15. Now record the math to check the total number of nickels.

17. Find 10 numbers larger than 1,000 in a newspaper or in a book. Write them in order from least to greatest. Calculate and record the difference between the least and the greatest numbers.

18. Record ten items from a grocery flyer and find the total cost of the items. Calculate how much change you would receive from a one hundred dollar bill. Show your work.

19. Draw seven different arrays for 36. Include the dimensions. Hint: (Two arrays for 18 could be 2x9 and 9x2.)

20. Record the exact time you went to bed last night and woke up this morning. Write how many hours and minutes you slept. Show or explain and how you figured out the amount of elapsed time.

21. Write a two-step story problem whose answer is 12. Solve the problem and show or explain how you got your answer.

22. Write a schedule for tomorrow for the time you wake up until the time that you go to bed. Your schedule must include a digital time (Example: 1:30 Go Shopping) for each entry.

23. A farmer has chickens and cows. Record as many combinations of animals that would total 24 legs. (Example: 2 cows and 8 chickens.) Is there more than one combination?

24. Look in your house, a store or outside for things that come in arrays. Draw what you found. Include the dimensions and the total.

25. On a trip in the car, record the miles on the odometer (ask your parents for help) for when you leave and then when you get home. How many miles did you travel? (Long trips are the most fun to figure out!) Explain your trip and math!

26. Gather 3 store receipts and record the totals. Record how much money in all was spent at all three stores? Is the amount more or less than $100.00. Record the difference.

27. Find ten quadrilaterals in your house or outside. Draw them and name the shapes.

28. You went shopping with a $5 bill and spent $2.40 Is your change more or less than 40 dimes? Explain or show the work to prove your answer.

29. Plan a meal for your family. With an adult, make a list of ingredients, go shopping, and then follow the recipes. Record the recipe and tell about any math you used to make it.

30. Find things in your house or at the store or anywhere that come in liters, grams or kilograms. Make a list of what you found and their measurements.