Details for May Learning Activities

May 4

1. Create a graph to record the temperature highs for the week. Graph the high for today.

2. Number line outside – Create a number line outside. You could use sidewalk chalk or a rock to draw on cement/driveway, or you could use a stick to scratch it in the dirt. Your number line should demonstrate an addition, subtraction, multiplication, or division problem. You decide if you want to use whole numbers, decimal numbers, or fractions! *Don't take the easiest choice! Challenge yourself and impress your family!

May 5

1. On the graph you created yesterday, graph the high for today.

2. Create a repeating pattern! You could use anything around your house or outside. A **repeating pattern** has a pattern unit that repeats over and over again. Explain your pattern to your parent(s).

May 6

1. On the graph you created, graph the high for today.

2. Create a growing pattern! You could use anything around your house or outside. A **growing pattern** gets bigger in the same way over and over again. Explain your pattern to your parent(s).

May 7

1. On the graph you created, graph the high for today.

2. Measure the area and perimeter of your bedroom (or other room of your choice). Remember, the area is a measure of the space contained within an object. Think about the amount of carpet or tile needed to cover your floor. Perimeter is the distance around a shape. Think about hanging a string of lights across each of the four walls of your room. If you don't have a tape measure or ruler, remember your personal benchmarks! You could also get creative with your units! For example, you could use your shoes. You might say that the perimeter of your room is 52 size 7 shoes and the area is 169 size 7 shoes squared.

May 8

1. On the graph you created, graph the high for today.

2. Determine the average high for the week. (Add all 5 temperatures together. Divide the sum by 5).

May 11

1. Create a graph to record the temperature highs for the week. Graph the high for today.

2. Identify angles! Locate angles in or around your house. Draw or take a picture to record what you find. You should record at least 3 acute, 3 obtuse, 3 right, and 3 straight angles.

May 12

1. On the graph you created yesterday, graph the high for today.

2. Triangle hunt! Identify triangles by their sides and angles! Locate triangles in or around your house! Draw or take a picture to record what you find. You should record at least one of each of these: scalene triangle, isosceles triangle, and equilateral triangle. Once you determine the category based on sides, name the triangle based on its angles: acute, obtuse, or right.

May 13

1. On the graph you created, graph the high for today.

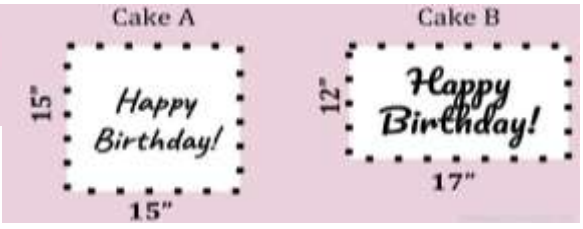
2. Quadrilateral Hunt! Locate quadrilaterals in or around your house! Draw or take a picture to record what you find. You should record at least one of each of these: parallelogram, rectangle, square, rhombus, trapezoid, kite. Describe the attributes of each of your objects. For example: rectangle=2 pairs opposite sides parallel, 2 pair of opposite sides the same length (congruent), 4 90^0 angles.

May 14

1. On the graph you created, graph the high for today.

2. Would You Rather?

Share equal slices of cake from pan A with 8 friends OR share equal slices of cake from pan B with 6 friends?



May 15

1. Create a graph to record the temperature high for the day. Determine the average high for the week. (Add all 5 temperatures together. Divide the sum by 5.

2. Determine the average high for the last 2 weeks. (Add all 10 temperatures together. Divide the sum by 10). Round the quotient to the nearest whole number.

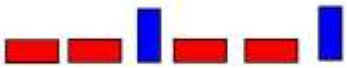
May 18

1. Paper airplane challenge! Design and build a paper airplane. Test fly it a couple of times, and make any adjustments if needed. When ready to fly and record, make at least 3 runs.

- Distance = How far did your plane travel each time?
- Hang Time = How long did your plane stay in flight (in the air before touching ground)?
- Accuracy = Are you able to land your plane in a designated spot? If not, describe how close you were able to get to your target each time.
  *Again, if you don't have a tape measure or ruler, use your feet or steps. You can measure to the nearest $\frac{1}{4}$ of a foot or step since you are fraction savvy! If you don't have a watch, stop watch, or cell phone with a stop watch/timer, get creative! Count 1 one thousand, 2 one thousand, 3 one thousand…. Or sing a song and write down only the lyrics up until your plane lands.

Some examples and charts to help you:

Repeating Pattern



Growing Pattern