**Math**

* Create a math game. Your game should use multiplication, division, fractions, or another math concept. You must design a game board, have written directions, and include pieces.
* $1.00 Words: $1.00 words are words that when all the letters are added together equal one dollar. To find one dollar words you use the following pattern:

A=.01 B=.02 C=.03 D=.04 E=.05 F=.06 G=.07 H=.08 I=.09 J=.10 K=.11 L=.12

M=.13 N=.14 O=.15 P=.16

Q=.17 R=.18 S=.19 T=.20

U=.21 V=.22 W=.23 X=.24

Y=.25 Z=.26

Some examples of $1.00 words include: squares, cookout, violins, mittens, and turkey.

After you have found two $1.00 words (that I have not told you), you are to use them in a sentence and nicely illustrate them.

* Write a math book. It needs to be at least ten pages long and illustrated. Is it going to include story problems? Riddles?
* Fold three different pieces of origami. Be prepared to explain why you chose them and where you found the directions from. They MUST be ones you do not already know how to do.
* Read a story about tangrams. Then fold your own tangrams. Take your created tangrams and make pictures out of them. Give your pictures a title.
* Geometry Pictures. At home you will look around and take pictures of geometric shapes with the help of your parents. You will then assemble those pictures into a “Geometry in the World Around Me” book.

You need to have the following shapes:

Circle Triangle Square

Rectangle Hexagon Octagon

Sphere Cube Pyramid

Cone

* Stepping patterns. Create two stepping patterns that equal at least thirty five and perform it for the class. Here is an example: 3-5-7-5-9-3-5-3-1 (3+5+7+5+9+3+5+3+1 = 41)