Name: _____

Math Station Contract: Measurement (4th)

Activity	Date	Points	What I Learned
1. How Many Triangles Does it Take: Students will explore the area of geometric designs by counting the number of triangles it takes to cover a design they have built using pattern block (trapezoids, hexagons, blue rhombi, and green triangles.			
2. Dream Bedroom: Students will design a dream bedroom. They will identify the area of several items of furniture in addition to the area of their room in square feet.			
3. Paper Areas: Students will estimate and measure a variety of paper rectangles to determine the total number of square inches.			
4. Classroom Dimensions: Students will find rectangular items in the classroom and measure their dimensions and then use them to calculate the area.			
5. Foot Race: Students will trace around their shoe on a centimeter grid sheet, enclose in a rectangle to calculate area and then subtract the parts outside to find a close estimate of their shoe.			
6. Geoboard Shapes: Students will create irregular shapes on a geoboard, enclose the shape inside a rectangle and use the subtraction method to determine the area of the irregular shape.			
7. Tangram Areas: Students will investigate outlines of shapes made with tangram pieces to put them in order from smallest to biggest area.			
8. Perimeter to Area: Students are given a length of string that measures 36 inches. Their job is to find all the different rectangles they can make with this perimeter and determine which one has the largest area.			
9. Area Comparison: Students are given pairs of rectangles cut from paper and a ruler. Their job is to find out whether the pairs are equal or which one has the greater area.			
10. Area to Perimeter: Students are given 24 tiles. Their job is to explore all the possible shapes that can be made to find which arrangement will result in the largest perimeter.			