Name_____ Date_____

Shape and Space
Unit 1 Line Master 6a

Explore the Area of Parallelograms

1. Use a geoboard to create different size rectangles and parallelograms with the same base and height.
   - Create a parallelogram on the geoboard.
   - Using a different colour elastic, create a rectangle with the same base and height on top of the parallelogram.
   - Using a third colour of elastic, add the leftover triangular piece to the opposite end of the rectangle.

   Complete the following chart.

Rectangle Measurements (units)	Rectangle Area (square units)	Parallelogram Measurements (units)	Parallelogram Area (square units)
2 by 1	2	2 by 1	2

How does the area of a parallelogram relate to the area of a rectangle with the same base and height?

Name_____ Date_____

Shape and Space
Unit 1 Line Master 6b

Explore the Area of Parallelograms
(cont'd)

2. a) Draw a parallelogram on grid paper. Have your partner cut out the parallelogram and create a rectangle with the same area and measurements. Repeat two more times.

   b) Draw a rectangle on a grid paper. Have your partner draw a parallelogram with the same measurements. They then cut out their parallelogram and demonstrate that the areas are the same. Repeat two more times.