Name: Compo Standa	e osite Rectangular Figures ard: 6.S. 9	Date:		
A.)	Summary:			
	An	figure is a shaped composed of rectangles.		
		is the sum of the lengths of each of the sides of a	OR- (The	
		around a polygon. To find the area of a composite rectangular figure you can di	e you can divide the figure ve found the area of each total area of the entire	
	into smaller	(quadrilaterals) and compute the area of each. Once you have found th		
	quadrilateral you must find the	of each of the smaller areas- this is the total area of		
	polygon.			



STATION #1: BLUE POLYGON

a.) List the shapes you could "break" the large polygon into. (See diagram.)

AREA of SHAPE	DIMENSIONS (I • w)	SHAPE (NAME)
Square Units		
Square Units		
	TOTAL	
Square Units	(Sum of all the smaller quadrilaterals)	

b.) Explain why you must break up the large polygon into smaller quadrilateral in order to find the total area?





a.) A farmer has a plot with the following dimensions (See diagram.)

How many square feet of land does the farmer have?

b.) If he has 4 horses that each eat 15 square feet of grass per month. How many months will his plot of land last?

c.) Approximately, how many years is this equal to? (12 months in 1 year.)



a.) What is the perimeter of the orange polygon?

_____ units

b.) What is the area of the orange polygon?

_____ square units

c.) Explain the difference between perimeter and area in regards to the composite rectangular figure.



Keith and Ellery would like to replace the wood flooring in their house. They want to put wood flooring in the hallway, living room and dining room. All the rooms are on the first floor. (See diagram.)

a.) According to the dimensions given, how large is the area of all the rooms they would like to replace the flooring of? (square feet)

b.) If the flooring they would like to buy is \$3.50 a square foot; How much will the flooring cost them?

c.) Keith and Ellery have save \$1,000 for the new flooring. Have they saved enough? If not, how much more money do they need to save?