Calculating Density

Name: _____

There are 3 types of density: (express as fractions)

Arithmetic=

Physiological =

Agricultural=

Country	Arithmetic Density	Physiological Density	Agricultural Density	Percent Farmers	Percent Arable
Canada	3	35	1	4	9
United States	30	156	4	3	19
Egypt	70	3503	251	40	2
UK	242	963	11	1	25
India	325	559	374	67	56
Japan	337	3054	214	7	11
Netherlands	398	601	64	4	27
Bangladesh	1020	1359	883	65	67

Refer to the table above for the following questions:

1. Which country has the highest arithmetic density? What does that tell you about this country?

2. The United States and Canada have approximately the same amount of land area, but very different arithmetic densities. What conclusions can you draw from this?

3. What does "arable land" mean? Canada, Egypt, and Japan all have low percentages of arable land. Research and identify the reason for this for each country.

4. Which country has the highest percentage of farmers? Which country has the highest agricultural density? What does this data tell you about these countries?

	Total Pop.	Total Land	Total # of Farmers	Unit of Arable Land
Location A	5,000 people	25 square miles	30	30 square miles
Location B	500 people	250 square miles	60	15 square miles
Location C	2000 people	200 square miles	600	15 square miles
Location D	620 people	310 square miles	50	250 square miles
Location E	18 people	2 square miles	12	2 square miles

Use the given information to fill in the table below.

	Arithmetic Density	Physiological Density	Agricultural Density
Location A			
Location B			
Location C			
Location D			
Location E			

What conclusions can you draw from the table you created?