Farmer Brown's Garden

General Instructions:

This Task has three Parts: Part 1 has three questions; Part 2 has two questions and parts 3 has one question.

Farmer Brown has a vegetable garden in his back yard. He spends a lot of time taking care of his garden. He has several vegetables that will soon be ready for reaping. Utilize your fraction skills to make the correction calculations.

Examine farmer Brown's Garden carefully, then use it to answer the questions that follows.

Farmer Brown's Garden

Red Peas

Carrots

Tomatoes

Onions

Sweet Corn

Cucumbers

String Beans

Sweet Pepper

Lettuce

Part 1

1. What fraction of the garden is planted with each type of vegetable?

   a. Tomatoes _____   e. Lettuce _____

   b. String Beans _____   f. Onions _____

   c. Sweet Peppers _____   g. Red Peas _____

   d. Cucumbers _____   h. Sweet Corns _____

   Show how you arrive at your answers.

   +--+
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   | |
   | |
   | |
   | |
   | |
   | |
   | |
   +--+

2. Farmer Brown wants to fertilize exactly half of his garden today. What combinations of vegetables comes to exactly one-half of Farmer Brown's garden? Show working below…

   +--+
   | |
   | |
   | |
   | |
   | |
   | |
   | |
   | |
   +--+

3. Can you find a vegetable combination that would cover exactly one-quarter of the garden? Show how in the box provided.

Part 2

If farmer Brown needs $3\frac{1}{2}$ kilograms of fertilizer for the string beans he has and $6\frac{5}{8}$ kilograms for the sweet corns.

4. How much fertilizer will he need to buy in all? Show your work below.

5. How much more fertilizer will he need for the cucumbers than the string beans? Show working below…

Part 3

Farmer Brown has decided that he is going to fertilizer the one- half of the garden that has the string beans, cucumbers and sweet corns. Use the information from your answers in **Part 2** to help you.

6. How much more fertilizer will he need to fertilize half of his garden? Show your work below.