Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Pork Ration Building

1. Pigs have very specific dietary needs, just like humans! Record the weights of each feed component below.

|  |  |  |
| --- | --- | --- |
| **Feed Component** | **Weight** | **My Weights** |
| Water | 6 gallons | 6 gallons |
| Carbohydrates | 10 grams (65%) |  |
| Protein | 4 grams (18.5%) |  |
| Vitamins | .5 grams | .5 grams (10 pieces) |
| Minerals | .5 grams | .5 grams (10 pieces) |
| Fat | 2 grams |  |
| **Total Ration Weight** | 17 grams, 6 gallons |  |

1. Form a group of 4.
   1. On a piece of graph paper, graph the weights in your feed ration. Then, compare the rations with your group members. Who has the healthiest ration? Who has the least healthy ration? Why?
2. Do the following math problems. Don’t forget to use the correct units!
3. Pigs eat twice a day. If they eat the same amount of feed

at both feedings, how much does a pig eat per day? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What percent of a pig’s diet is water? \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. If you subtract ¼ of the carbohydrates from the ration,

how many grams/ounces of carbohydrates are left? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. If a pig doesn’t eat any of the protein in his ration,

what fraction of his feed is he missing? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What is the weight of just the carbohydrates, protein,

and fat? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. If you convert the amount of vitamins and minerals

To fractions, what component do they equal? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_