

9= ...

E.g. Animals in a clinic need to be kept in a strict diet.

Each animal should receive exactly 35 grams of protein and 5 grams of fat.

lab technician are able to by 2 types of food mixes: Mix A has 20% protein and 8% 0.+

Mix B has 40% protein and 4% fat.

Q. How many grams of each mix should be used to obtain the right diet for the animal.

How many grams of mix A? X

How many grams of mix B? y

The amount of protein in x grams of mix A:

0.2x

Total amount of protein allowed: 0.2x + 0.4y = 35Istal amount of fat allowed. 0.08x + 0.04y = 5(0.2x + 0.4y = 35)Solve the system [0.08x + 0.04y = 5]x = 25 grams y = 75 grams