Name:

**Feed Budgeting Exercise**

Task. Choose **one** of the **three** farms below.

a) You are in charge of a herd of 500 dairy cows.

To feed these animals so that they have the highest milk production, you have to feed them at an allowance of 25 kgs DM of grass per day per head.

b) You are in charge of a flock of 2000 ewes that are rearing lambs.

To feed these animals so that they produce as much milk as possible for their lambs, you will need to feed them at an allowance of 3 kgs DM of grass per day per head.

c) You are in charge of a herd of 400 stags.

To feed these animals so that they produce as much venison as possible you have to feed them at an allowance of 3 kgs DM of grass per day per head.

***The Farm (type = .)***

For each of the 2 paddocks below, how long could the animals stay in each paddock. Assume any regrowth has been included in the kgs DM/ha.

**Calculation** to work out how long can this mob stay in the paddock

1) Total Grass = **Padd size \* kgsDm/ha**

2) Amount needed = **No. animals \* allowance**

3) Days in paddock = **Total grass / Amount needed**.

Show your working.

a) Paddock A. Area = 10 hectares at 3500 kgs DM per hectare.

 Paddock B. Area = 6 hectares at 3000 kgs DM per hectare.

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b) The two paddocks were shaped like below. Draw where you would place the electric fences assuming that each group of animals is shifted every day.

 gate electric fence water trough

c) To save grass for later, you need to use some of your conserved feed. Both silage and balage is available. Balage has a DM% of 40% and Silage has a DM% of 30%.Choose One and circle.If you had to feed .5 kg DM of Balage or Silage per animal.How many kg’s of Wet Balage or Silage would you have to feed out a day.

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