



Horse Evaluation Career Development Event

Created: 14

As a team, review the materials provided and work together to answer the following questions. You will have 10 minutes at this station.

MEDICATION DOSAGE ACTIVITY

To calculate the amount of drug to give your horse, use the following formula:

Weight of Horse X Dose Rate = amount of drug to give divided by the **Concentration (mg/ml or mg/pill or paste)**

When working with a liquid:

1. Multiply your horse's weight in pounds times the dose rate in milligrams per pound. This gives you the total number of milligrams for the dose for your horse. For example: 1,000 lb horse X 10 mg/lb = 10,000 mg.
2. The concentration of the drug is 500 mg/ml. Now divide the 10,000 mg by the 500 mg in the concentration. This will give you the number of milliliters of the drug to give. In this case, you will be giving 20 milliliters for your 1,000 lb horse.

You have a 1,200 lb Paint Gelding that is showing signs of inflammation do to a muscular strain and your vet is recommending a treatment of Flunixin for 5 days. Please answer the following questions to determine the proper dosage using the appropriate drug label packets.

1. How many milligrams should he be given each day of the injectable Flunixin?
a. 300 mg **b. 600 mg** c. 1,200 mg d. 6 mg
2. How many milliliters should be injected each time?
a. **12 mL** b. 6 mL c. 3 mL d. 24 mL
3. How many milliliters will you need for the 5-day treatment?
a. 12 mL b. 50 mL **c. 60mL** d. 120 mL

You have a 1,250 lb Draft Cross Mare that is showing signs of Colic, the vet is on the way, but they have recommended giving some Banamine (Flunixin meglumine) until they arrive. You have a tube of Banamine, answer the following questions regarding the proper dosage using the drug label packet.

4. How many g of Banamine paste should be delivered?
a. 2.5 g b. 5.0 g c. 10 g **d. 12.5 g**
5. If the tube has 30 grams of medication, how many separate doses could be delivered?
a. 2.4 doses b. 3 doses c. 6 doses d. 12 doses