

CALCULATING RATIOS

Directions: Answer the following questions using the feed labels and information listed below.

1. How many pounds of "Grow Power" should you feed a colt that weighs 400 lbs?
   
   \[ 1.5 \times 4 = 6.0 \]

2. How many pounds of "Grow Power" should you feed a stallion during breeding season that weighs 1100 pounds?
   
   \[ 0.75 \times 11 = 8.25 \]

3. How many pounds of "Grow Power" should you feed a race horse that weighs 950 pounds?
   
   \[ 1.5 \times 9.5 = 14.25 \]

4. You are stock contractor feeding your bulls a grain ration designed for performance bulls. You should feed 1% of the bull’s body weight. If the bull weighs 1900 lbs. How many pounds of grain mix should you feed each bull?
   
   \[ 0.01 \times 1900 = 19 \text{ lbs grain daily} \]

5. You are feeding your breeding does a commercial rabbit pellet. 1 doe should consume 5 ounces of pellets per day. How many days will a 50 pound bag last?
   
   \[
   \begin{align*}
   (16 \text{ oz per pound}) \\
   50 \times 16 = 800 \text{ ounces per bag} \\
   \frac{800}{5} = 160 \text{ days}
   \end{align*}
   \]

6. You are mixing a feed ration for your beef cows. You need to mix a mineral supplement with the feed at a rate of 4 oz per head. You have a herd of 150 cattle. How many pounds of mineral should you feed daily?
   
   \[
   \begin{align*}
   (16 \text{ oz per pound}) \\
   4 \times 150 = 6000 \text{ ounces per day} \\
   \frac{6000}{16} = 37.5 \text{ lbs per day}
   \end{align*}
   \]
7. How many pounds of “Safe Choice” should you feed an 1100 lb mare in the early stages of lactation? Calculate a range according to the scale on the feeding direction.

\[
11 \times 0.90 = 9.9 \text{ minimum}\]
\[
11 \times 1.5 = 16.5 \text{ maximum}\]

8. You own a 950 lb performance horse that you are competing in the Reining Cutting Cow Horse Association. The horse is exercised heavily, so you want to feed him the highest, safe quantity. How many pounds of “Safe Choice” can you feed daily?

\[
9.5 \times 1.5 = 14.25 \text{ lbs}\]

9. Using the feeding directions on the Goat Feed, how many pounds of quality forage should be fed to a 70 lb goat?

\[
.02 \times 70 = 1.4 \text{ lbs}\]

10. You have 10 breeding bucks. A 50-pound bag of “Goat Feed” costs $18.70. Calculate 1 month’s feed bill if you feed according to the recommended offering for bucks.

\[
1.5 \text{ lbs} \times 10 \text{ bucks} = 15 \text{ lbs per day} \times 30 \text{ days} = 450 \text{ lbs per month}\]
\[
50 \text{ lb bag} = 9 \text{ bags}\]
\[
450 \text{ lbs} \div 9 = 50 \text{ lb bags}\]
\[
\text{Cost} = 9 \times 18.70 = 168.30 \text{ per month}\]