

Junior Market Beef Study Guide

Please reference the Beef Resource Handbook and Fremont County Fair Book

Terms to be defined:

- Heifer:
- Soybean meal:
- Forages:
- Crossbreeding:
- Ruminant:
- Steer:
- Withdrawal Time:
- Zoonotic Diseases:

Know how to calculate average daily gain using the following formula:

$$\text{Average Daily Gain} = \frac{\text{Total LBS}}{\text{Days}}$$

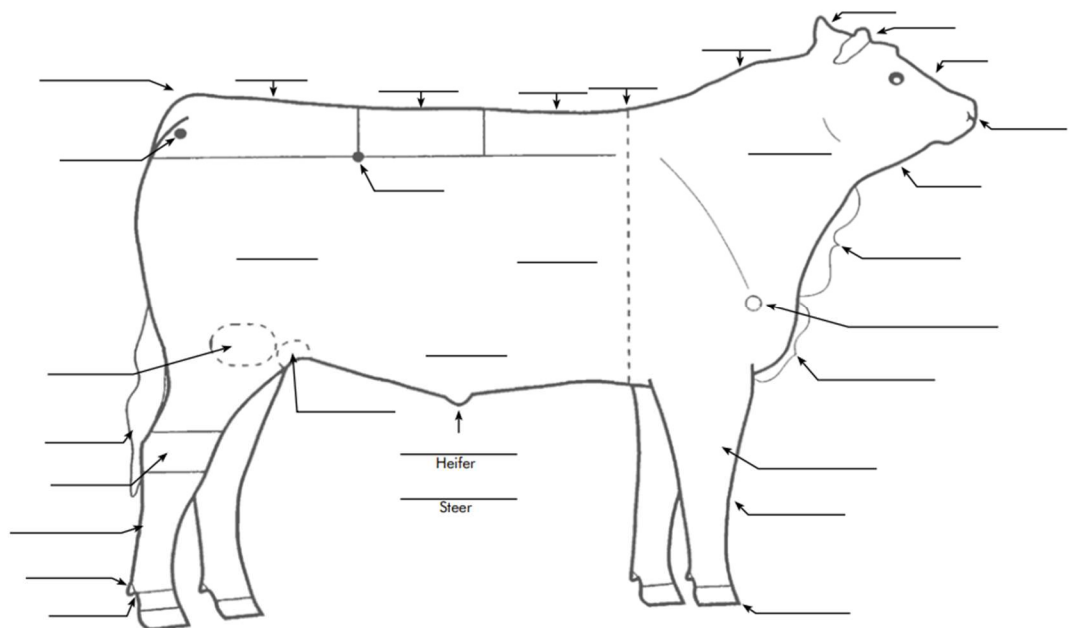
Example: If a steer gained 300 lbs. in 150 days, what was its average daily gain?

Know how to calculate steer weight using the following formula:

$$\text{Fair Weight} - \text{LBS gained} = \text{Weight at Weigh In}$$

Example: If a steer weighs 1,300lbs. at fair and gained 350lbs. since weigh-in, how much did the steer weigh at weigh-in?

Be able to identify parts of a steer using the following diagram from the 4-H Beef Resource Handbook.



Understand the following topics:

- Requirements for animal shelters
- Fremont County Fair minimum weight for fair
- Different parts of a feed label such as purpose of feed, guaranteed analysis, ingredient statement, and feeding instructions
- Fremont County Fair minimum and maximum ages of animal
- Fremont County Fair mandatory classes
- Types of animal identifications such as ear tagging, tattooing, and branding
- The purpose of the 5 essential nutrients for beef cattle which includes water, energy, protein, minerals, and vitamins
- Where the point of balance is and what it means
- Popular breeds of cattle characteristics
- Show Ring Ethics