

Team Name \_\_\_\_\_

Team Number \_\_\_\_\_

2003 State Fair Stockmens Contest – Senior Team Problem

You purchased 100 lambs that had an average weight of 70 pounds. The group experienced a 2% death loss. After 71 days they weighed an average of 120 pounds on the farm. They were sold that day.

1. What was the Average Daily Gain for each lamb?  Pounds (2 decimals)

2. How many lambs were sold?  Lambs (0 decimals)

3. They were hauled by truck to a market that was 300 miles away. The total pounds of liveweight sold from your group at that market was 11,368 pounds. What percent shrink occurred in your group of lambs during trucking and marketing?  % (1 decimal)

4. What was the average weight of each lamb sold from your group?  Lb (1 decimal)

5. The average sale price per pound was 80 cents. What was the price per head?  
 Dollars (2 decimals)

6. Transportation, sales commissions, and the checkoff deducted a total of \$8.35 per head. What percent of the total price does this represent?

Percent (1 decimal)

Feed, health products, interest on borrowed money, and miscellaneous overhead costs (buildings, taxes, insurance, etc) are all costs of producing these lambs. Fill in the 3 missing values in the table. These are questions 7, 8, and 9.

Item	Total for the Pen (100 Head)	Cost per Head
Feed	\$1800	
Health		\$1.25
Interest	\$78	
OverHead	\$100	\$1.00
Total	\$2103	\$21.03

10. If you paid 90 cents per pound for the 70-pound feeder lamb, and the total of production costs was \$21.03 per head, then what is the total cost to produce a 120-pound market lamb?

Dollars per head (2 decimals)