

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

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

2004 State Fair Stockmens Contest – Senior Team Problem

1. You purchased feeder steers in April that had an average weight of 475 pounds for \$1.30 per pound. What was the price per head?  \$ (2 decimals)

2. You will be grazing 3 steers on every 2 Acres. If you have a 50-Acre pasture, how many cattle will you be grazing?  head (0 decimals)

3. The pasture is a rectangular shape that measures 2000 feet by 1000 feet. How many feet of fence is needed to enclose the perimeter of the pasture?  feet (0 decimals)

4. If the fence costs \$1.20 per foot for materials and labor, what is the total cost of the fence for this pasture?  \$ (2 decimal)

5. If fertilizer containing 18-30-30 is applied at the rate of 100 pounds per Acre, what is the total amount of fertilizer needed?  Pounds, (0 decimals)

6. The initial processing of the steers occurred on April 15, and included the following:

7-way vaccine	\$0.50	Deworm	\$1.00
Implant	\$1.10	Respiratory vaccines	\$1.75

On May 20 the cattle were processed once again, with the following practices:

2 <sup>nd</sup> Deworming	\$1.00	Fly tags	\$1.25
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What is the total processing cost per head?  \$ (2 decimals)

7. If pasture cost per head is \$50, what is the total cost per head (including calf cost) at the end of the grazing season?  \$ (2 decimals)

8. If the average weight of each steer is 800 pounds, what is the breakeven selling price per hundredweight?  \$/cwt (2 decimals)

9. Steers are sold using the local stockyard scales. The buyer pays for the weight taken there, minus 3%. What is the actual weight of the average steer that the buyer pays for?  Pounds (1 decimal)

10. Steers are purchased by a feeder in Nebraska. Distance from the stockyard to his feedlot is 1250 miles. If the truck hauls 65 head and the trucker charges \$2.25 per mile, what is the transportation cost per head?  \$ (2 decimals)