

Score _____

Team Number _____

National 4-H Livestock Skillathon Contest Evaluation of Performance and Marketing Information

Directions: Your challenge is to determine which bid to use to receive the most total dollars for each pen of cattle. Also answer the designated questions. *Bids can only be used once.*



Pen 1: Straight bred Simmental cattle, spring born. On feed for 275 days. Diet consists of 62% high moisture corn, 28% wet gluten, 10% protein supplement on a dry matter basis. Vitamin E: 400 IU for the last 120 days. Implanted once with Compudose. Estimated Average Harvest Weight: 850 pounds. Dressing percent was 61%.



Pen 2:

Straight bred Dairy cattle (Holsteins, and Brown Swiss), various birthdates. On feed for 300 days. Diet consists of 62% high moisture corn, 28% wet gluten, 10% protein supplement on a dry matter basis. Vitamin E: 400 IU for the last 120 days. Implanted once with Compudose. Estimated Average Harvest Weight: 850 pounds. Dressing percent of 59%.



Pen 3:

Straight bred Limousin cattle, spring born. On feed for 150 days. Diet consists of 62% high moisture corn, 28% wet gluten, 10% protein supplement on a dry matter basis. Vitamin E: 400 IU for the last 120 days. Estimated Average Harvest Weight: 650 pounds.

You have been offered 4 bids for each of the 3 pens of cattle. The bids are:

Bid A: Live cattle price of \$70/cwt. Weighed at the local elevator with a 3% pencil shrink. You pay the trucking.

Bid B: In the meat bid of \$1.14 per pound of dressed weight for the Laura's Lean program. You stand the condemned cattle. You pay the trucking.

Bid C: Base price of \$130/cwt of carcass weight, with the following premiums and discounts (per 100 pounds of carcass weight). You stand the condemned cattle. The buyer pays trucking.

Prime	\$+35	Less than YG 1	\$25
Choice	\$+30	Yield Grade 1	\$15
Select	\$0	Yield Grade 2	\$0
Standard	-\$5	Yield Grade 3	-\$5
Dark Cutters	-\$30	Yield Grade 4	-\$15
		Carcass weights	
		over 800 pounds	-\$15
		Under 550 pounds	-\$20

Bid D: Base price of \$138/cwt of carcass weight, with the following premiums and discounts (per 100 pounds of carcass weight). You stand the condemned cattle. The buyer pays half of the trucking.

Prime	\$10	Yield Grade 1	\$7
Choice (Ave. & High)	\$4	Yield Grade 2	\$3
CAB	\$7	Yield Grade 3	\$0
(Black Hide, Ave & High Choice)		Yield Grade 4	-\$20
Select	-\$8		
No rolls	-\$12	Over 951 pounds	-\$20
Standards & Dark Cutters	-\$30	Under 550 pounds	-\$20

Pen Number 1 (Simmental) Sold on Bid _____

Pen Number 2 (Dairy) Sold on Bid _____

Pen Number 3 (Limousin) sold on Bid _____

Questions based on the Simmental Pen: Additional information. You are feeding a group of 500 steers and weighed 525 pounds at the beginning and cost \$600/head. During the feed trial they consumed 1300 tons of feed which had an average cost of \$155 per ton. The total cost of other expenses were \$14 per head. Calculate the following measures.

1. To the nearest tenth, what was the average daily gain _____lb./day for the pen?
2. To the nearest tenth, what was the feed conversion on this pen? _____
3. To the nearest hundredth, what was the total feed cost per head \$_____/head
4. To the nearest hundredth, what was the average daily feed cost per head \$_____/head
5. To the nearest hundredth, what was the total feed cost per pound of gain \$_____/lb.

You have 2 minutes as a team to tell the station monitor why you selected your Bid choice for each plan.