

TEAM ACTIVITY 2
KANSAS STATE UNIVERSITY
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The poultry judging team at Kansas State University decided to grow, process and sell some broilers as a fundraiser for their trip to the national contest. They grew 1,000 male broilers at the university farm. When the birds were ready to process, their records showed that the birds gained an average of 5 lbs. each and ate 10 pounds of feed. The feed cost them \$8.00 per 100 lbs.

After an 82 day grow out period, the students prepared to process the birds. They removed the feed 1 hour prior to processing. Half the team tested the birds for botulism after they caught the birds while the rest cleaned the plant. Each of the birds were stunned by using a red colored light. They were then bled and scalded at 125°F. The feathers were then removed. The next step was evisceration. The giblets were then separated and processed into leg quarters and necks. The carcasses were then washed and placed in a chill tank at 60°F for 10 minutes.

The students didn't grade the carcasses and they sold them in bags that did not indicate a USDA grade. The students then sold 500 birds for \$5.00 each. They smoked the other 500 birds in a hickory smoker and sold them for \$8.00 each.

1. How much did all the feed cost to grow the birds?
a. \$800 b. \$1,260 c. \$3,175 d. \$5,650
2. The grow out period for the birds was:
a. Too short b. Too long c. About right
3. If the processed birds weighed 4 lbs. how much did it cost to grow each bird?
a. \$2,40 b. \$1.20 c. \$1.00 d. .80¢
4. The length of time that the birds went without feed was:
a. Too long b. Not long enough
c. There's no need to remove the feed
5. Testing the birds for botulism prior to processing was:
a. The right thing to do b. The wrong thing to do
6. Using a red light to stun the birds was:
a. Wrong, should have used blue b. Wrong, light stunning is not approved
c. Wrong, should have used fluorescent d. Correct

7. The feathers were removed after scalding. This was:
 - a. Correct
 - b. Wrong, they are removed before sterilization by scalding
 - c. Wrong, they are removed right after they are stunned
 - d. Wrong, the feathers are removed by spraying at the final step
8. What part of the bird was removed during evisceration?
 - a. The neck
 - b. The heart
 - c. The entrails
 - d. The trachea
9. When the birds were placed in the chill tank, the temperature of the water was:
 - a. Too high
 - b. Too low
 - c. Just as required by law
10. The giblets in a bird are:
 - a. The heart, gizzard and liver
 - b. The liver and leg
 - c. The leg and back portion
 - d. The leg quarters and neck
11. What was the final value of the process poultry?
 - a. \$6,500
 - b. \$8,500
 - c. \$10,750
 - d. \$12,500
12. If it cost \$1.00 each to process the birds, what was the final profit that the poultry team made?
 - a. \$3,200
 - b. \$4,700
 - c. \$5,500
 - d. \$6,750
13. The students sold the processed birds without a USDA grade marked. This decision was:
 - a. OK, since grading is a voluntary practice
 - b. Illegal, since the USDA requires that all poultry be graded
14. If the processed birds weighed 4 lbs. after processing, then the percent yield would be:
 - a. 25%
 - b. 50%
 - c. 70%
 - d. 80%
15. What was the purpose of scalding the birds?
 - a. To stun them
 - b. To kill them
 - c. To make it easier to remove the feathers
 - d. To kill pathogenic bacteria