

SKILLATHON



ACTIVITY

INTERMEDIATE

Swine

Management

1. You have five market hogs on feed. You want to determine the average actual backfat of the group. The backfat of the five hogs is listed below. Round to two decimal places. *5 points*
 - a. Duroc .85
 - b. Landrace .72
 - c. Hampshire .34
 - d. Yorkshire .91
 - e. Duroc .49
2. Feed A costs \$31 per 50 lb. bag. What is the cost of 1 lb. of feed? *2 points*
3. Your pig weighs 250 pounds and you want your pig to weigh 280 pounds at the county fair. You have 19 days until the show. How much does your pig have to gain each day in order to reach your desired weight of 280 pounds? ***Do not calculate any transportation weight loss into your calculations. 5 points*
4. You are feeding your Showpigs ZZZ Brand of feed and it costs \$39 per 50 lb bag. Your pig gained 200 pounds while you were feeding him. If you improve your feed conversion from 3 to 2.8, how many pounds of feed will you save and how many dollars will you save?
The first part of the question is worth 5 points & part two is worth 5 points.
5. Your pig has a feed conversion of 2.8. Your pig gained 210 while on ABC brand of feed. How many pounds of Brand ABC feed did your pig consume? *3 points*



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KEY

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1. You have five market hogs on feed. You want to determine the average actual backfat of the group. The backfat of the five hogs is listed below. Round to two decimal places. *5 points*
- a. Duroc .85
 - b. Landrace .72
 - c. Hampshire .34
 - d. Yorkshire .91
 - e. Duroc .49

Answer #1: $.85 + .72 + .34 + .91 + .49 = 3.31 / 5 = .66$

2. Feed A costs \$31 per 50 lb. bag. What is the cost of 1 lb. of feed? *2 points*

Answer #2: $\$31 / 50 \text{ lb} = \0.62 is the cost of 1 lb of feed

3. Your pig weighs 250 pounds and you want your pig to weigh 280 pounds at the county fair. You have 19 days until the show. How much does your pig have to gain each day in order to reach your desired weight of 280 pounds? ***Do not calculate any transportation weight loss into your calculations. 5 points*

Answer #3: $280 - 250 = 30$ pounds $30 / 19 = 1.58$
 (also acceptable – 1.57, 1.58, & 1.6)

4. You are feeding your Showpigs ZZZ Brand of feed and it costs \$39 per 50 lb bag. Your pig gained 200 pounds while you were feeding him. If you improve your feed conversion from 3 to 2.8, how many pounds of feed will you save and how many dollars will you save?

The first part of the question is worth 5 points & part two is worth 5 points.

Answer #4:

Part A: $(200 \times 3 = 600 \text{ lb. feed})$ versus $(200 \times 2.8 = 560 \text{ lb. feed})$
 $600 \text{ lb feed} - 560 \text{ lb. feed} = 40 \text{ lb feed that has been saved}$

Part B: $\$39 / 50 \text{ lbs feed} = \$0.78 \text{ per lb.} \times 40 \text{ lb of feed saved} = \31.20 saved

5. Your pig has a feed conversion of 2.8. Your pig gained 210 while on ABC brand of feed. How many pounds of Brand ABC feed did your pig consume? *3 points*

Answer #5:

$210 \text{ lbs gained} \times 2.8 \text{ feed conversion} = 588 \text{ lbs. of feed}$



INSTRUCTIONS

SKILLATHON



INTERMEDIATE Swine Management

Intermediate Swine Management Instructions

- Ask each participant to complete a worksheet. Each question is worth a different point value for a station total of 25 points. Every participant may use a calculator and the back of their worksheet as scratch paper. You may read the question to the participant and help them understand a question but please do not give them the equation or answer.
- Once the participant has completed the station, please circle the number of answers that they got correct on their score sheet. There is a corresponding point value for the number correct. Please score their score sheet and pass it to the station facilitator behind you.

Scoring: Each question is worth a different point value for a station total of 25 points.

***Question number 4 is a two part question- each part of the question is worth 5 points therefore question 4 is worth a total of 10 points.

****This station has a total of 25 points.****

Thank you very much for volunteering to help with the skillathon. Please remember to complete the skillathon facilitator information sheet and leave it on your stations table at the end of the competition. Thank You!



SKILLATHON



STATION # _____

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