



Task Title: Cook Yield Test Form

OALCF Cover Sheet – Practitioner Copy

Learner Name: _____

Date Started: _____

Date Completed: _____

Successful Completion: Yes No

Goal Path: Employment Apprenticeship

Secondary School Post Secondary Independence

Task Description: The learner will calculate and compare yields for ingredients cooks would use in a recipe.

Main Competency/Task Group/Level Indicator:

- Find and Use Information/Interpret documents/A2.1
- Understand and Use Numbers/Manage money/C1.1
- Understand and Use Numbers/Use measures/C3.2

Materials Required:

- Pen/pencil and paper and/or digital device
- Calculator or digital device with calculator function

Learner Information

Cooks calculate and compare yields of quantities of ingredients used in recipes by calculating the difference between AP (As Purchased) and EP (Edible Portion) in order to accurately write recipe instructions.

Scan the "Yield Test Form".

Yield Test Form	
Item Name: <input style="width: 150px;" type="text" value="Roast Pork Loin"/>	Test Number <input style="width: 50px;" type="text" value="12"/> Date <input style="width: 80px;" type="text" value="12-Mar-13"/>
Cooking Temperature: <input style="width: 100px;" type="text" value="275F"/>	
Net Raw Weight: (1) <input style="width: 80px;" type="text" value="4.35"/> kg	AP Price: (2) <input style="width: 60px;" type="text" value="\$ 4.55"/> per kg
Total net cost: (3): <input style="width: 80px;" type="text" value="\$ 19.79"/>	
Cooked weight as served <input style="width: 80px;" type="text" value="3.49"/> kg (4)	
Cooked cost per kg (3÷4) <input style="width: 80px;" type="text" value="\$ 5.67"/> (5)	
Shrinkage: (1-4) <input style="width: 80px;" type="text" value="0.86"/> kg (6)	
% of shrinkage:(6÷1) x 100 <input style="width: 80px;" type="text" value="19.770%"/> (7)	
Yield %:(4÷1) x 100 <input style="width: 80px;" type="text" value="80.230%"/>	
Yield Factor: (1÷4) <input style="width: 80px;" type="text" value="1.25"/>	
Cooked Weight Portion Size <input style="width: 80px;" type="text" value="0.225"/> kg (8)	
# of Calculated portions(4÷8) <input style="width: 80px;" type="text" value="15.511"/> (9)	
# of Actual portions <input style="width: 80px;" type="text" value="15"/> (10)(whole portions)	
Cost per portion(3÷10) <input style="width: 80px;" type="text" value="\$ 1.32"/>	
Yield Test Performed By: <input style="width: 150px;" type="text"/>	

Work Sheet

Task 1: What is the AP price for Roast Pork Loin.

Answer:

Task 2: A recipe calls for a total of 24 portions of roast pork loin. Use the "Cooked Weight Portion Size" and calculate the total amount of cooked weight.

Answer:

Task 3: On a different day the total net cost is \$24.82. Calculate the cost per portion.

Answer:

Task 4: Use the Yield Test form and calculate the number of actual portions this product would yield if the cooked weight as served was 4.15 kg and the portion size was .211 kg.

Answer:

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Task 5: If the net raw weight changed to 4.83 kg and the shrinkage changed to 1.04 kg, calculate the percentage of shrinkage.

Answer:

Answers

Task 1: What is the AP price for Roast Pork Loin?

Answer: \$4.55

Task 2: A recipe calls for a total of 24 portions of roast pork loin. Use the "Cooked Weight Portion Size" and calculate the total amount of cooked weight.

Answer: $0.225/\text{each} \times 24 = 5.4\text{kg}$

Task 3: On a different day the total net cost is \$24.82. Calculate the cost per portion.

Answer: $\$24.82/15$ (number of actual portions) = \$1.65

Task 4: Use the Yield Test form and calculate the number of actual portions this product would yield if the cooked weight as served was 4.15 kg and the portion size was .211 kg.

Answer: Recognize that 'cooked weight as served' divided by 'cooked weight portion size' equals the 'number of actual (whole) portions'.

$$4.15 / 0.211 = 19.668$$

Recognize that 19.668 is not a full portion

19 actual portions

Task 5: If the net raw weight changed to 4.83 kg and the shrinkage changed to 1.04 kg, calculate the percentage of shrinkage.

Answer: Recognize that 'shrinkage' (list item 6) divided by 'net raw weight' (list item 1) times 100 equals percent as shrinkage.

$$1.04 / 4.83 \times 100 = 21.532\%$$

Performance Descriptors

Levels	Performance Descriptors	Needs Work	Completes task with support from practitioner	Completes task independently
A2.1	scans text to locate information			
	makes low-level inferences			
C1.1	adds, subtracts, multiplies and divides whole numbers and decimals			
	identifies and performs required operation			
	follows apparent steps to reach solutions			
	interprets and represents costs using monetary symbols and decimals			
	uses strategies to check accuracy (e.g. estimating, using a calculator, repeating a calculation, using the reverse operation)			
C3.2	calculates using numbers expressed as whole numbers, fractions, decimals, percentages and integers			

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Levels	Performance Descriptors	Needs Work	Completes task with support from practitioner	Completes task independently
C3.2	chooses and performs required operation(s); may make inferences to identify required operation(s)			
	selects appropriate steps to solutions			
	interprets, represents and converts measures using whole numbers, decimals, percentages, ratios and simple, common fractions (e.g. $\frac{1}{2}$, $\frac{1}{4}$)			
	uses strategies to check accuracy (e.g. estimating, using a calculator, repeating a calculation, using the reverse operation)			

This task: Was successfully completed Needs to be tried again

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Learner Comments:

Instructor (print):

Learner (print):
