

OALCF Tasks for the Apprenticeship Goal Path: Prepared for the Project, *Developing Best Practices for Increasing, Supporting and Retaining Apprentices in Northern Ontario (2014)*

OALCF Task Cover Sheet

Task Title: Cook Yield Test Form

Learner Name:	
Date Started:	Date Completed:
Successful Completion: Yes ___ No ___	
Goal Path: Employment ___ Apprenticeship <input checked="" type="checkbox"/> Secondary School ___ Post Secondary ___ Independence ___	
Task Description: Calculate and compare yields in ingredients cooks would use in a recipe. Calculate conversions.	
Competency: A: Find and Use Information C: Understand and Use Numbers	Task Group(s): A2: Interpret documents C1: Manage money C3: Use measures C4: Manage data D2: Use Digital Technology
Level Indicators: A2.1: Interpret very simple documents to locate specific details C1.1: Compare costs and make simple calculations C3.2: Use measures to make one-step calculations C4.2: Make low-level inferences to organize, make summary calculations, and represent data D2: Use Digital Technology	
Performance Descriptors: see chart on last page	
Materials Required: <ul style="list-style-type: none"> • Pencil & paper • Calculator • Yield Test Form – attached • Computer with internet access 	

Task Title: Cook Yield Test Form

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. Look at the Yield Test Form.

Learner Information and Tasks:

Task 1: Highlight, underline, or circle the AP price.

Task 2: The cooked weight as served for roast pork loin is 3.49 kilograms (kg). Calculate the cooked weight as served in pounds. Use the internet to locate a conversion calculator.

Task 3: The cooking temperature for roast pork loin is 275 degrees Fahrenheit (F). Calculate the cooking temperature for roast pork loin in Celsius. Use the internet to locate a conversion calculator.

Task 4: 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.

Task 5: On a different day the total net cost is \$24.82; calculate the cost per portion.

Task 6: Use the Yield Test form; 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.

Task 7: If the net raw weight changed to 4.83 kg and the shrinkage changed to 1.04 kg, calculate the percentage of shrinkage.

Yield Test Form

Item Name: Test Number Date

Cooking Temperature:

Net Raw Weight: (1) kg

AP Price: (2) per kg

Total net cost: (3)

Cooked weight as served kg (4)

Cooked cost per kg (3÷4) (5)

Shrinkage: (1-4) kg (6)

% of shrinkage:(6÷1) x 100 (7)

Yield %:(4÷1) x 100

Yield Factor: (1÷4)

Cooked Weight Portion Size kg (8)

of Calculated portions(4÷8) (9)

of Actual portions (10)(whole portions)

Cost per portion(3÷10)

Yield Test Performed By:

Task Title: Cook Yield Test Form Answer Key

Task 1: **\$4.55** (top right side of document)

Task 2: Open the internet
Use a search engine, such as Google, and search “kilograms to pounds calculator”
The formula to convert kilograms to pounds is #kg x 2.2 = # of pounds
 $3.49 \text{ kg} \times 2.2 = 7.678$

7.678 lbs

Task 3: Open the internet
Use a search engine, such as Google, and search “Fahrenheit to Celsius calculator”
The formula to convert Fahrenheit (F) to Celsius (C) is: $(\#F - 32) \times 5/9 = C$
 $(275-32) \times 5/9 = C$
 $(243) \times 5/9 = C$
 $135 = C$

135 Celsius

Task 4: $0.225/\text{each} \times 24 = 5.4\text{kg}$

5.4 kg

Task 5: $\$24.82/15$ (number of actual portions) = \$1.65

Cost per portion is \$1.65

Task 6: 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 7: Recognize that ‘shrinkage’ (list item 6) divided by ‘net raw weight’ (list item 1) times 100 equals percent as shrinkage.

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

21.532 %

Task Title: Cook Yield Test Form

Performance Descriptors		Needs Work	Completes task with support from practitioner	Completes task independently
A2.1	<ul style="list-style-type: none"> scans text to locate information 			
	<ul style="list-style-type: none"> makes low-level inferences 			
	<ul style="list-style-type: none"> follows the main events of descriptive, narrative and informational texts 			
	<ul style="list-style-type: none"> begins to identify sources and evaluate information 			
C1.1	<ul style="list-style-type: none"> adds, subtracts, multiplies and divides whole numbers and decimals 			
	<ul style="list-style-type: none"> identifies and performs required operation 			
	<ul style="list-style-type: none"> follows apparent steps to reach solutions 			
	<ul style="list-style-type: none"> interprets and represents costs using monetary symbols and decimals 			
	<ul style="list-style-type: none"> rounds to the nearest dollar 			
	<ul style="list-style-type: none"> uses strategies to check accuracy (e.g. estimating, using a calculator, repeating a calculation, using the reverse operation) 			
C3.2	<ul style="list-style-type: none"> calculates using numbers expressed as whole numbers, fractions, decimals, percentages and integers 			
	<ul style="list-style-type: none"> converts units of measurement within the same system and between systems 			
	<ul style="list-style-type: none"> chooses and performs required operation(s); may make inferences to identify required operation(s) 			
	<ul style="list-style-type: none"> selects appropriate steps to solutions 			
	<ul style="list-style-type: none"> interprets, represents and converts measures using whole numbers, decimals, percentages, ratios and simple, common fractions (e.g. $\frac{1}{2}$, $\frac{1}{4}$) 			
	<ul style="list-style-type: none"> uses strategies to check accuracy (e.g. estimating, using a calculator, repeating a calculation, using the reverse operation) 			
C4.2	<ul style="list-style-type: none"> calculates using numbers expressed as whole numbers, fractions, decimals, percentages and integers 			

	<ul style="list-style-type: none"> chooses and performs required operation(s); may make inferences to identify required operation(s) 			
	<ul style="list-style-type: none"> selects appropriate steps to solutions 			
	<ul style="list-style-type: none"> uses strategies to check accuracy (e.g. estimating, using a calculator, repeating a calculation, using the reverse operation) 			
D2	<ul style="list-style-type: none"> selects and follows appropriate steps to complete tasks 			
	<ul style="list-style-type: none"> makes low-level inferences to interpret icons and text 			
	<ul style="list-style-type: none"> begins to identify sources and evaluate information 			
	<ul style="list-style-type: none"> performs simple searches using keywords (e.g. internet, software help menu) 			

This task: was successfully completed ___ needs to be tried again ___

Learner Comments

Instructor (print)

Learner Signature