

Task Title: Lasagna Portion Cost Card

# OALCF Cover Sheet – Practitioner Copy

**Learner Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date Started: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date Completed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |  |
| --- | --- | --- |
| **Goal Path:** | Employment | Apprenticeship |
| Secondary School | Post Secondary | Independence |

**Successful Completion:**  Yes No

**Task Description:** The learner will use a recipe cost card to calculate the cost per serving of lasagna.

**Main Competency/Task Group/Level Indicator:**

* Find and Use Information/Interpret documents/A2.2
* Understand and Use Numbers/Manage money/C1.2
* Understand and Use Numbers/Use measures/C3.2
* Use Digital Technology/D.2

**Materials Required:**

* Pen/pencil and paper
* Computer or digital device
* Calculator or digital device with calculator function (optional)

# Learner Information

Cooks prepare catering budgets including expenses for the amount of food in different size containers.

Scan the “Portion Cost Card” for lasagna.



# Work Sheet

**Task 1: The cook is preparing for a wedding that will have 300 guests. Rounding to the nearest pound, calculate how many pounds of ground beef the cook will require for the lasagna.**

Answer:

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Task 2: Calculate the cost for garlic required to make 300 portions. Remember to calculate the cost based on whole cloves.**

Answer:

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Task 3: Open a new web browser on the computer. Conduct a search for a metric-to-imperial conversion calculator. Calculate how many litres (L) of tomato sauce are needed to make 300 portions. Round your answer to one decimal place.**

Answer:

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Answers

**Task 1: The cook is preparing for a wedding that will have 300 guests. Rounding to the nearest pound, calculate how many pounds of ground beef the cook will require for the lasagna.**

Answer: 26 pounds

One possible solution:

The ratio is portions : pounds (lb)

70 portions : 6 lb = 300 portions : ‘x’ lbs

Cross multiply

70x = 300 x 6

70x = 1800

Solve for ‘x’ by dividing each side by 70

x = 25.71 (round up to nearest pound)

A second possible solution:

300/70 x 6lbs = 25.71 lbs (round up to nearest pound)

**Task 2: Calculate the cost for garlic required to make 300 portions. Remember to calculate the cost based on whole cloves.**

Answer: $22.88

One possible solution

Calculate number of cloves of garlic needed

The ratio is portions : cloves

70 portions : 12 cloves = 300 portions : x cloves

Cross multiply

70x = 12 x 300

70x = 3600

Solve for ‘x’ by dividing each side by 70

X = 51.42 (round up to 52 cloves)

Calculate cost

52 cloves x $0.44 each = $22.88

A second possible solution:

300/70 x 12 = 51.42 = 52 x $0.44 = $22.88

**Task 3: Open a new web browser on the computer. Conduct a search for a metric-to-imperial conversion calculator. Calculate how many litres (L) of tomato sauce are needed to make 300 portions. Round your answer to one decimal place.**

Answer: 4.6 litres

One possible solution: Calculate the number of ounces needed for 300 portions, then convert:

The ratio is portions : ounces (oz.)

70 portions : 36 oz = 300 portions : x

Cross multiply: 70x = 36 x 300

70x = 10800

Solve for ‘x’ by dividing each side by 70: X = 154.28 (round up to 155 oz.)

The formula for calculating ounces (oz.) to litres is:

1 oz. = 0.0296 L

155 oz. X 0.0296 = 4.588 litres (round to 4.6 litres)

A second solution: Convert ounces to litres, then calculate:

36 x .0296 = 1.0656 L

70 portions : 1.0656 L = 300 portions : x L

Cross multiply: 70x=300\*1.656

x = 319.68/70

x = 4.566 (round to 4.6 L)

# Performance Descriptors

| Levels | Performance Descriptors | Needs Work | Completes task with support from practitioner | Completes task independently |
| --- | --- | --- | --- | --- |
| A2.2 | performs limited searches using one or two search criteria |  |  |  |
|  | extracts information from tables and forms |  |  |  |
|  | uses layout to locate information |  |  |  |
|  | makes connections between parts of documents |  |  |  |
|  | makes low-level inferences |  |  |  |
| C1.2 | calculates using numbers expressed as whole numbers, fractions, decimals, percentages and integers |  |  |  |
|  | chooses and performs required operation(s); may make inferences to identify required operation(s) |  |  |  |
|  | selects appropriate steps to reach solutions |  |  |  |
|  | represents costs and rates using monetary symbols, decimals and percentages |  |  |  |
|  | interprets, represents and converts amounts using whole numbers, decimals, percentages, ratios and simple, common fractions (e.g. ½, ¼) |  |  |  |
| C1.2 cont’d | 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 |  |  |  |
|  | understands and uses ratio and proportion |  |  |  |
|  | converts units of measurement within the same system and between systems |  |  |  |
|  | 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. ½, ¼) |  |  |  |
| D.2 | selects and follows appropriate steps to complete tasks |  |  |  |
|  | locates and recognizes functions and commands |  |  |  |
| D.2 cont’d | makes low-level inferences to interpret icons and text |  |  |  |
|  | begins to identify sources and evaluate information |  |  |  |
|  | 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 (print):

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