

Task Title: Calculate Unit Price

# 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 calculate the cost of each item sold in a package.

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

* Understand and Use Numbers/Manage money/C1.2

 **Materials Required:**

* Pen/pencil and paper and/or digital device
* Calculator or digital device with calculator function (if needed)

# Learner Information

An easy way to tell whether something is a good deal is to calculate the “per unit” cost of the items in the package.

A childcare provider needs to track how much money they are spending per child for food and supplies.

# Work Sheet

**Task 1: There are 30 granola bars in a box for $10.99 plus tax.**

1. **Calculate the total cost of the box with 13% tax.**

Answer:

**b) Calculate the cost per granola bar based on the total cost of the box with tax.**

Answer:

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

**Task 2: There are 24 cans of soup in a flat for $12.99 plus tax.**

1. **Calculate the total cost of the flat with 13% tax.**

Answer:

**b) Calculate the cost per can based on the total cost with tax.**

Answer:

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

**Task 3: One package of socks has 5 pairs in a bag for $5.99. Another has 12 pairs for $10.49. Which package is the better deal and by how much per pair?**

Answer:

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

**Task 4: A package of 8 pens is normally $3.99. They are on sale for half price (no tax). What is the cost per pen?**

Answer:

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

# Answers

**Task 1: There are 30 granola bars in a box for $10.99 plus tax.**

**a) Calculate the total cost of the box with 13% tax.**

Answer:

10.99 x 1.13 = 12.4187 or 10.99 x .13 = 1.4287 = 10.99+1.43 = $12.42

Total cost is $12.42.

**b) Calculate the cost per granola bar based on the total cost of the box with tax.**

Answer:

12.42 ÷ 30 = 0.414

Each granola bar costs $0.41 (41 cents).

 **Task 2: There are 24 cans of soup in a flat for $12.99 plus tax.**

**a) Calculate the total cost of the flat with 13% tax.**

Answer:

12.99 x 1.13 = 14.6787 or 12.99 x .13 = 1.6887 = 12.99+1.69 = 14.68

Total cost is $14.68

**b) Calculate the cost per can based on the total cost with tax.**

Answer:

14.68 ÷ 24 = 0.6116666….

Each can of soup costs $0.61 (61 cents).

**Task 3: One package of socks has 5 pairs in a bag for $5.99. Another has 12 pairs for $10.49. Which package is the better deal and by how much per pair?**

Answer:

**Package 1 Package 2**

5.99 ÷ 5 = 1.198 10.49 ÷ 12 = 0.8741666…

$1.20 per pair. $0.87 per pair.

Package 2 is the better deal by $0.33 per pair (1.20 -.87).

**Task 4: A package of 8 pens is normally $3.99. They are on sale for half price (no tax). What is the cost per pen?**

Answer:

3.99 ÷ 2 = 1.995

1.995 ÷ 8 = 0.249375 (or 2.00 ÷ 8 = 0.25)

Each pen costs $0.25 (25 cents).

# Performance Descriptors

| Levels | Performance Descriptors | Needs Work | Completes task with support from practitioner | Completes task independently |
| --- | --- | --- | --- | --- |
| C1.2 | calculates using numbers expressed as whole numbers, fractions, decimals, percentages and integers |  |  |  |
|  | calculates percentages |  |  |  |
|  | interprets and applies rates (e.g. $/kg, $/1) |  |  |  |
|  | 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) |  |  |  |
|  | 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

Learner Comments:

Instructor (print): Learner (print):

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

Skill Building Activities

**Links to Online Resources:**

LearningHUB Math Courses: <https://www.learninghub.ca/apps/pages/index.jsp?uREC_ID=1118749&type=d&pREC_ID=1380783>

LearningHUB Course Catalogue: <https://www.learninghub.ca/apps/pages/coursecatalogue>

GCF LearnFree: Money Basics – Compare different products, calculate sales tax, judge the best deal based on price per unit:

<https://edu.gcfglobal.org/en/moneybasics/shopping/1/>

GCF LearnFree – Calculating Percentages:

<https://edu.gcfglobal.org/en/percents/calculating-percentages/1/>