



**Task Title: Calculate Unit Price**

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 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)

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## 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.**

**a) 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:

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**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:

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

Answer:

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**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:

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**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:

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## 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:

$$10.99 \times 1.13 = 12.4187 \text{ or } 10.99 \times .13 = 1.4287 = 10.99 + 1.43 = \$12.42$$

Total cost is \$12.42.

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

Answer:

$$12.42 \div 30 = 0.414$$

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:

$$12.99 \times 1.13 = 14.6787 \text{ or } 12.99 \times .13 = 1.6887 = 12.99 + 1.69 = 14.68$$

Total cost is \$14.68

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

Answer:

$$14.68 \div 24 = 0.6116666\dots$$

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**

$$5.99 \div 5 = 1.198$$

\$1.20 per pair.

**Package 2**

$$10.49 \div 12 = 0.8741666\dots$$

\$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:

$$3.99 \div 2 = 1.995$$

$$1.995 \div 8 = 0.249375 \text{ (or } 2.00 \div 8 = 0.25)$$

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. $\frac{1}{2}$ , $\frac{1}{4}$ )			
	uses strategies to check accuracy (e.g. estimating, using a			

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Levels	Performance Descriptors	Needs Work	Completes task with support from practitioner	Completes task independently
	calculator, repeating a calculation, using the reverse operation)			

This task: Was successfully completed  Needs to be tried again

Learner Comments:

Instructor (print):

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Learner (print):

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## 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](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/>