**OALCF Task Cover Sheet**

**Task Title:** These Boots Are Made for Working

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| **Learner Name:** | |
| **Date Started: Date Completed:**  **Successful Completion:** Yes\_\_\_ No\_\_\_ | |
| **Goal Path:** Employment\_\_\_ Apprenticeship **✔**  Secondary School\_\_\_ Post-Secondary\_\_\_ Independence\_\_\_ | |
| **Task Description:**  In this activity, the learner will compare three different work boots and calculate how much each pair will cost with sales tax, and after a $75.00 credit. | |
| **Competency:**  A: Find and Use Information  C: Understand and Use Numbers | **Task Group(s):**  A1: Read continuous text  A2: Interpret documents  C1: Manage money  C4: Manage data |
| **Level Indicators:**  A1.1: Read brief texts to locate specific details  A2.1: Interpret very simple documents to locate specific details  C1.2: Make low-level inferences to calculate costs and expenses that may include rates such as taxes and discounts  C4.1 Make simple comparisons and calculations | |
| **Performance Descriptors:** see chart on last page | |
| **Skill Building Activities:** Please find skill building activities at the end of this task set or click here. | |
| **Materials Required:**   * Print out of the task which includes three sample advertisements of work boots * Pen or pencil or computer | |

**Practitioner Notes**

This task has a skill building activity to teach the learner how to determine the total price of an item that includes sales tax. The activity can be recreated using examples of numerous products the learner may want to purchase.

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A new apprentice may be required to purchase a pair of work boots before starting a job. Look at the three advertisements for work boots.

**Learner Information and Tasks**

**Task 1:** Which work boots are waterproof?

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**Task 2:** Which work boots have a removable insole?

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**Task 3:** Which work boot has a TPU bumper toe guard?

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**Task 4:** Which work boot is better for carpenters and plasterers?

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**Task 5:** Which work boot is made for someone who spends a long time on his or her feet?

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**Task 6:** Which work boot offers the most savings?

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**Task 7:** How much do you save if you buy work boot #3?

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**Task 8:** How much do each of the work boots cost with sales tax? Sales tax is 13%.

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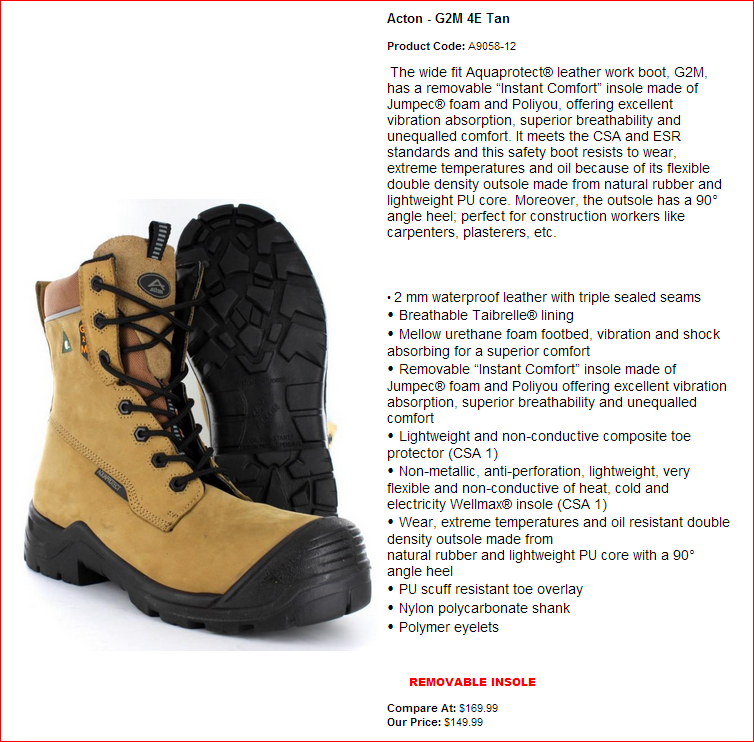
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**Task 9:** The Company gave you a $75.00 coupon off the purchase price of a new pair of work boots. You decide to purchase work boot #2. How much would you pay with sales tax?

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**Task Title:** These Boots Are Made for Working

**Work Boot #1**



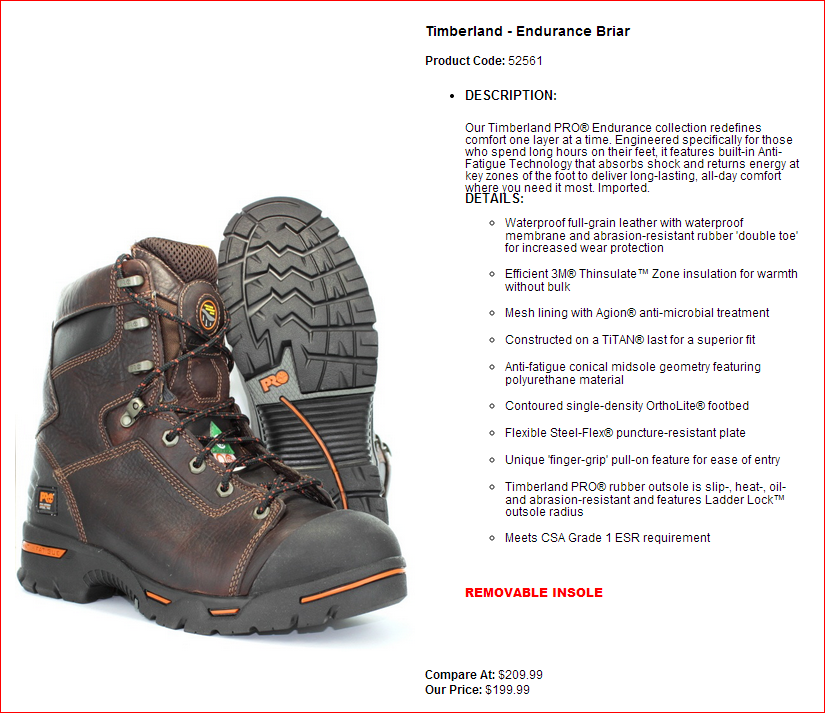
**Task Title:** These Boots Are Made for Working

**Work Boot #2**



**Task Title:** These Boots Are Made for Working

**Work Boot #3**



**Task Title:** These Boots Are Made for Working

**Answer Key:**

**Task 1:** Work boots # 1 and # 3

**Task 2:** Work boots # 1 and # 3

**Task 3:** Work boot # 2

**Task 4:** Work boots # 1

**Task 5:** Work boot # 3

**Task 6:** Work boot # 1

**Task 7:** $10.00

**Task 8:** Work boot # 1 costs $169.48 or $169.49 \*

Work boot # 2 costs $180.78 or $180.79 \*

Work boot # 3 costs $225.98 or $225.99 \*

**Task 9:** Work boot # 2 would cost $96.03 or $96.04 \*\*

\* The answer to Task 8 has the option of two prices per work boot; either answer is correct. These answers take into consideration the learner’s understanding of rounding up and rounding down.

\*\* The answer to Task 9 is calculated by first subtracting $75.00 from the purchase price of the work boot and then adding the 13% sales tax. It is incorrect to subtract $75.00 from the answer in Task 8.

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| Performance Descriptors | | **Needs Work** | **Completes task with support from practitioner** | **Completes task independently** |
| A1.1 | * decodes words and makes meaning of sentences in a single text |  |  |  |
| * reads short texts to locate a single piece of information |  |  |  |
| * identifies the main idea in brief texts |  |  |  |
| A2.1 | * scans to locate specific details |  |  |  |
| * interprets brief text and common symbols |  |  |  |
| * locates specific details in simple documents, such as labels and signs |  |  |  |
| C1.2 | * calculates using numbers expressed as whole number, fractions, decimals, percentages, and integers |  |  |  |
| * calculates percentages |  |  |  |
| * selects appropriate steps to reach solutions |  |  |  |
| * represents costs and rates using monetary symbols, decimals, and percentages |  |  |  |
| C4.1 | * adds, subtracts, multiplies, and divides whole numbers and decimals |  |  |  |
| * identifies and performs required operation |  |  |  |

**This task:** was successfully completed\_\_\_ needs to be tried again\_\_\_

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| Learner Comments |
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#### Instructor (print) Learner Signature

**Skill Building Activity:** These Boots Are Made for Working

Many apprentices need to buy personal safety equipment for their job. To determine the total price of each piece of personal safety equipment, you need to include sales tax. In Ontario, a 13% sales tax is charged on goods and services.

**How to convert a percentage to a decimal**

Before doing the math required to add sales tax to the price of an item, you need to convert the percentage to a decimal. To do so, simply remove the percentage (%) symbol after the number, and replace it with a decimal (.) before the number. For example:

13% = 0.13

25% = 0.25

75% = 0.75

**How to calculate the total price of an item including sales tax**

To calculate the total price including Ontario’s 13% sales tax, put a **1** in front of the decimal (changing it from **.13** to **1.13**) and multiply the price of the item by the decimal number.

Price of the item **x** 1.13 **=** the total price of the item including sales tax

For example, the price of a pair of work boots is $164.00. To calculate the total price, use the following formula:

**164 x 1.13 = 185.32**

You will pay a total of **$185.32** including sales tax.

**Now try to calculate the sales tax for yourself**

1. Convert the following percentage to a decimal:

65% = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 10% = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

45% = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 90% = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Use the formula to calculate the price with sales tax for the following personal safety equipment.
2. Chemical Splash Goggles $10.00 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Orange Mesh Safety Vest $5.59 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Hard Hat $6.89 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Safety Gloves $12.50 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Skill Building Activity:** These Boots Are Made for Working

**Answer Key:**

1. 65% = .65 10% = .10 or .1

45% = .45 90% = .90 or .9

1. a. Chemical Splash Goggles $10.00 = $11.30

b. Orange Mesh Safety Vest $5.59 = $6.31 or $6.32 \*

c. Hard Hat $6.89 = $7.78 or $7.79 \*

d. Safety Gloves $12.50 = $14.12 or $14.13 \*

\* The two prices provided take into consideration the learners understanding of rounding up and rounding down. Therefore, either answer is correct.