



Task-based Activity Cover Sheet

Task Title: Calculate 15% off purchase price

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 how much money they will save when an item goes on sale for 15% off.	
Competency: C: Understand and Use Numbers	Task Group(s): C1: Manage Money
Level Indicators: C1.2: Make low-level inferences to calculate costs and expenses that may include rates such as taxes and discounts	
Performance Descriptors: see chart on last page or click here	
Links to skill building activities: see the last page or click here	
Materials Required: <ul style="list-style-type: none">• Pen/pencil• Calculator (if needed)	
ESKARGO: <ul style="list-style-type: none">• Calculates using numbers expressed as whole numbers, fractions, decimals, percentages, and integers• Makes simple estimates• Interprets, represents, and converts amounts using whole numbers, decimals, percentages, ratios, and simple, common fractions (e.g., $\frac{1}{2}$, $\frac{1}{4}$) <i>Decimals</i> <ul style="list-style-type: none">• Compares, orders, and represents the place value of whole numbers and decimals• Rounds decimals• Adds, subtracts, multiples and divides multi-digit whole numbers and decimals <i>Percents/Ratios</i> <ul style="list-style-type: none">• Explains the meaning of percent and ratios used in everyday situations	



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- Expresses a fraction with a denominator of 100 as a percent
- Converts between fractions, decimals, and percents
- Finds a percent of a number
- Finds what percent one number is of another
- Finds a number when a percent of it is given

Chooses and performs required operation(s); may make inferences to identify required operation(s)

Represents costs and rates using monetary symbols, decimals, and percentages

Uses strategies to check accuracy (e.g., estimating, using a calculator, repeating a calculation, using the reverse operation)

Attitudes:

Practitioner,

We encourage you to talk with the learner about attitudes required to complete this task set. The context of the task has to be considered when identifying attitudes. With your learner, please check one of the following:

Attitude is not important

Attitude is somewhat important

Attitude is very important



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Office Managers are responsible for ordering supplies for the workplace. It is important to look for sales to maximize the amount of supplies they can purchase within their set budget.

A local office supply store is closing and starting next week everything in the store will be marked down by 15%.

Learner Information and Tasks:

Task 1: Calculate the cost savings on a two-drawer filing cabinet that is currently \$149.99.

Task 2: Calculate the cost savings on a 25-pack of coloured file folders that is currently \$6.75.

Task 3: Calculate the cost savings on an office chair that is currently \$279.99.

Task 4: Calculate the cost savings on a case of paper that is currently \$59.96.

Task 5: Calculate the cost savings on a printer toner that is currently \$85.99.

Task 6: Calculate the cost savings on a wireless mouse that is currently \$18.99.



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Answer Key

Task 1: Calculate the cost savings on a two-drawer filing cabinet that is currently \$149.99.

$$\$149.99 \times 0.15 = 22.4985$$

You will save \$22.50 by waiting until next week.

Task 2: Calculate the cost savings on a 25-pack of coloured file folders that is currently \$6.75.

$$\$6.75 \times 0.15 = 1.0125$$

You will save \$1.01 by waiting until next week.

Task 3: Calculate the cost savings on an office chair that is currently \$279.99.

$$\$279.99 \times 0.15 = 41.9985$$

You will save \$42.00 by waiting until next week.

Task 4: Calculate the cost savings on a case of paper that is currently \$59.96.

$$\$59.96 \times 0.15 = 8.994$$

You will save \$8.99 by waiting until next week.

Task 5: Calculate the cost savings on a printer toner that is currently \$85.99.

$$\$85.99 \times 0.15 = 12.8985$$

You will save \$12.90 by waiting until next week.

Task 6: Calculate the cost savings on a wireless mouse that is currently \$18.99.

$$\$18.99 \times 0.15 = 2.8485$$

You will save \$2.85 by waiting until next week.



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Performance Descriptors		Needs Work	Completes task with support from practitioner	Completes task independently
C1.2	<ul style="list-style-type: none"> calculates using numbers expressed as whole numbers, fractions, decimals, percentages and integers 			
	<ul style="list-style-type: none"> calculates percentages 			
	<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 reach solutions 			
	<ul style="list-style-type: none"> represents costs and rates using monetary symbols, decimals and percentages 			
	<ul style="list-style-type: none"> 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 Signature



Skill Building Activities

Links to online resources:

Simply Math Workbook: Percents:

http://www.nwtliteracy.ca/resources/adultlit/everyday_math/simple_math_wrkbk.pdf

This comprehensive math workbook by Northwest Territories Literacy Council includes working with whole numbers, basic math skills, fractions, decimals, percents, measurement, and other important math concepts. For the purpose of this task-based activity scroll to page 65, “Percents.” Of special interest: “Finding a Percent of a Number” on page 71.

Percentages (%):

<https://www.mathsisfun.com/percentage.html>

By clicking on this link the learner is taken to the “Percentages” webpage on Math Is Fun. The definition of percent is given and examples with visuals are used. There are also interactive games and worksheets provided for extra practice.

Percent > Basic Percent Problems:

http://www.mathtv.com/videos_by_topic#

Under “Select a Topic” choose Basic Mathematics > Percent > Basic Percent Problems. The learner is brought to a series of tutorials where they have the option of listening to Mr. McKeague, Ana, Katrina, Aaron, Graham, or David work through math problems involving percents. Noteworthy questions: 1. What number is 15% of 63? and 4. What number is 43.5% of 25?

Discount and Sale Price:

http://www.mathgoodies.com/lessons/percent/sale_price.html

By clicking on this link, the learner is given the procedure on how to calculate the discounted amount on the original price of an item and how to find the sale price. There are 4 examples given with step-by-step calculations shown. After going through the example problems, scroll down to the “Exercises” section where learners can practice their skills (5 practice questions).



LearningHUB online courses available:

- **Math, Independent Study (assigned by practitioner after assessment)**
 - 100 Whole Numbers Assignment
 - 101 Addition, Subtraction Assignment 1 & 2
 - 201 Multiplication, Division Assignment
 - 302 Decimals Assignment
 - 303 Data Analysis Assignment
 - 304 Percents and Mixed Operations Assignment 1 & 2.

- **Live Classes (SABA)** – Multiplication; Division; Fractions A; Fractions B; Fractions C; Fractions in Everyday Life; Decimal A; Decimal B; Percentages A; Percentages B.

***To access LearningHUB courses**, learners must register for the LearningHUB e-Channel program by completing the registration form on their website and completing the course selection (page 2 of the registration form): https://www.learninghub.ca/get_registered.aspx

***To Access LearningHUB Course Catalogue:**

<http://www.learninghub.ca/Files/PDF-files/HUBcoursecatalogue,%20December%202023,%202014%20revision.pdf>