Task-based Activity Cover Sheet

Task Title: Calculate the cost of items during a BOGO (buy one, get one) sale

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 items during a "buy one, get one" sale

Competency: **C: Understand and Use Numbers** **A: Find and Use Information**	Task Group(s): C1: Manage money A2: Interpret documents

Level Indicators: C1.2: Make low-level inferences to calculate costs and expenses that may include rates such as taxes and discounts   A2.2 Interpret simple documents to locate and connect information
Performance Descriptors: See chart on last page or click here
Links to skill building activities: see the last page or click here
Materials Required: • Pen or pencil   • Paper   • Attached "BOGO" offer advertisement
ESKARGO: **C1.2 Decimals**   • Compares, orders, and represents the place value of whole numbers and decimals   • Rounds decimals   • Converts fractions to decimals and vice versa

- Adds, subtracts, multiples and divides multi-digit whole numbers and decimals

C1.2 Percents/Ratios

- Explains the meaning of percent used in everyday situations
- 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

C1.2 Integers

- Chooses and performs required operation(s); may make inferences to identify required operation(s)
- Selects appropriate steps to reach solutions
- Solves multi-step numerical and word problems involving fractions, decimals, percents and ratios
- Evaluates expressions containing fractions, decimals, percents and ratios, using the correct order of operations
- 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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Stores will often advertise "BOGO" sales in their weekly flyers. "BOGO" stands for Buy One Get One. Look at the Sharpie Permanent Marker advertisement.

Learner Information and Tasks:

Task 1: One package of Sharpie markers has an original price of $14.98 and the other has an original price of $39.99. After the "BOGO" discount, how much will it cost for the package of Sharpie® Markers that originally cost $14.98?

Task 2: Two packages of Sharpie® Markers have the same original price of $29.98. What will be the cost of the discounted package during the "BOGO" sale?

Task 3: A package of Sharpie Markers costs $2.64 and another package costs $7.99. How much will the total cost for both markers be (before taxes) after the "BOGO" discount is applied?

close x

Sharpie® Permanent Marker Open Stock & Sets

Buy One Get One 50% OFF†

Reg. $2.49 - $49.99

Excludes Sharpie® paint pens. †Buy one item at regular price & get the second of equal or lesser value 50% Off. Excludes clearance. Percent Off Discounts Are Off Original Ticketed Price.

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Answer Key

Task 1: $14.98 is the package of lesser value so it is 50% off. Therefore the package will be $7.49.

Task 2:   The packages are of equal value so one will be 50% off. Therefore you will save 50% off $29.98 which is $14.99

Task 3:   The package with the lesser value is $2.64. You will save 50% of $2.64 which is $1.32. Therefore you will pay $9.31 in total for both markers.

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	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			
	• 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)			
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			

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/simply_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, AaronGraham, 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)**

    o 100 Whole Numbers Assignment
    o 101 Addition, Subtraction Assignment 1 & 2
    o 201 Multiplication, Division Assignment
    o 302 Decimals Assignment
    o 303 Data Analysis Assignment
    o 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%2023,%202014%20revision.pdf