



Task-based Activity Cover Sheet

Task Title: Estimate how much stock to order based on last year's sales

Learner Name:	
Date Started:	Date Completed:
Successful Completion: Yes ___ No ___	
Goal Path: Employment <input checked="" type="checkbox"/> Apprenticeship ___ Secondary School ___ Post Secondary ___ Independence ___	
Task Description: Use tables and graphs to estimate how much stock to order.	
Competency: C: Understand and Use Numbers A: Find and Use Information	Task Group(s): C4: Manage Data A2: Interpret documents
Level Indicators: C4.2: Make low-level inferences to organize, make summary calculations, and represent data A2.2: Interpret simple documents to locate and connect information	
Performance Descriptors: see chart or click here	
Skill Building Activities: see last page or click here	
Materials Required: <ul style="list-style-type: none">• Pen and paper• Calculator optional	
ESKARGO: Building Readiness for C4.2 Tasks The learner: <ul style="list-style-type: none">• Calculates using numbers expressed as whole numbers, fractions, decimals, percentages, and integers• Makes simple estimates• Chooses and performs required operation(s); may make inferences to identify required operation(s)• Selects appropriate steps to solutions• Recognizes patterns and begins to identify trends in data (e.g., population, crime, demographic, inventory, injury)• 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: <input type="checkbox"/> Attitude is not important <input type="checkbox"/> Attitude is somewhat important <input type="checkbox"/> Attitude is very important	



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Learner Information and Tasks:

Store Managers and purchasing agents are responsible for ordering stock based on past sales.

Look at “CJ Moore Company’s sales” chart.

CJ Moore Company’s sales				
Year	Beginning Inventory	Purchased inventory	Ending Inventory	Amount Sold
2014	2,000 pcs	7,500 pcs	2,200 pcs	7,300 pcs
2013	2,300 pcs	10,500 pcs	2,000 pcs	10,800 pcs
2012	2,500 pcs	13,000 pcs	2,300 pcs	13,200 pcs

Task 1: Calculate the percentage drop in amount sold between 2012/2013 and 2013/14.

Task 2: Calculate the average drop in purchased inventory over the past 3 years.

Task 3: Estimate the inventory to purchase for 2014 based on the average drop in purchased inventory over the past 3 years.

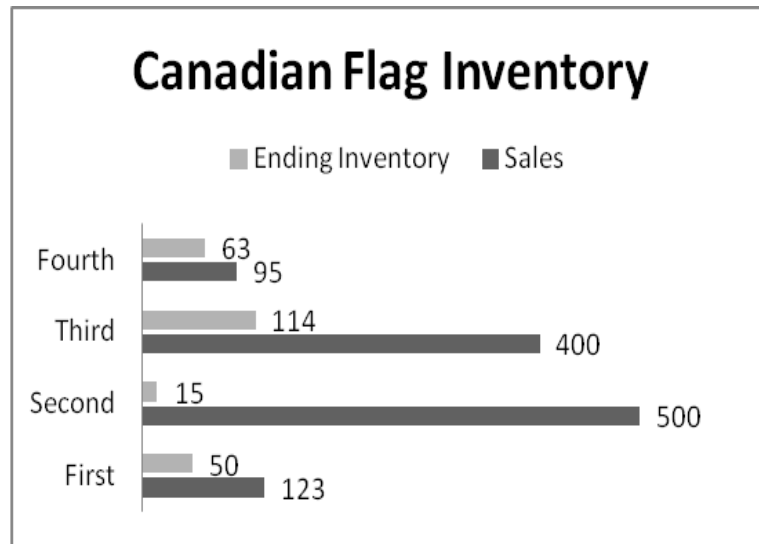


Look at Martin’s “Swimwear First Quarter Sales” chart.

Swimwear First Quarter Sales	
2014	\$18,900.00
2013	\$16,000.00
2012	\$15,750.00
2011	\$13,647.00

Task 4: Estimate the First Quarter Sales for 2015 using the first quarter sales from the previous 2 years.

Look at Dollar Village’s “Canadian Flag Inventory”



Task 5: Estimate how many Canadian Flags Dollar Village should order based on last year's total sales of Canadian Flags.



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Answer Key

Task 1: Calculate the percentage drop in amount sold between 2012/2013 and 2013/14.

Year	Beginning Inventory	Purchased inventory	Ending Inventory	Amount Sold
2014	2,000 pcs	7,500 pcs	2,200 pcs	7,300 pcs
2013	2,300 pcs	10,500 pcs	2,000 pcs	10,800 pcs
2012	2,500 pcs	13,000 pcs	2,300 pcs	13,200 pcs

$$2012/2013 = 13,200 - 10,800 = 2400; 2400 \times 100 \div 13200 = 18.2\%$$

$$2013/2014 = 10800 - 7300 = 3500; 3500 \times 100 \div 10800 = 32.4\%$$

Task 2: **2012: 13000 - 10500 = 2500** **2013: 10500 - 7500 = 3000**

$$2500 + 3000 = 5500$$

$$5500 / 2 = 2750$$

The average drop is 2,750 pcs per year.

Task 3: The estimated amount of inventory to purchase is (this answer will be based on the answer given by the learner in task 2):

$$7500 - 2750 = 4750$$

Task 4:

Swimwear First Quarter Sales	
2014	\$18,900.00
2013	\$16,000.00
2012	\$15,750.00
2011	\$13,647.00

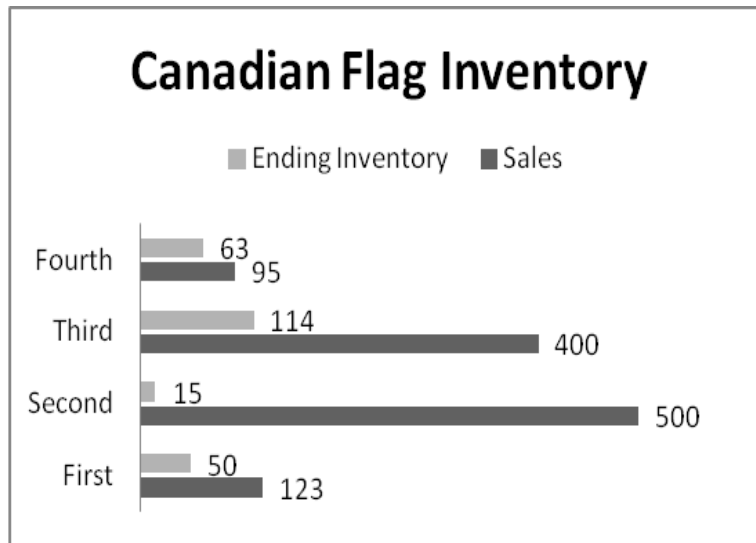
The estimated amount of sales will be \$21,800

$$18900 - 16000 = 2900$$

$$18900 + 2900 = 21800$$



Task 5: Estimate how many Canadian Flags Dollar Village should order based on last year's total sales of Canadian Flags.



Add the total sales - $95 + 400 + 500 + 123 = 1118$

The estimated number of flags to order is approximately 1118.



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Performance Descriptors		Needs Work	Completes task with support from practitioner	Completes task independently
C4.2	<ul style="list-style-type: none"> calculates using numbers expressed as whole numbers, fractions, decimals, percentages and integers 			
	<ul style="list-style-type: none"> makes estimates 			
	<ul style="list-style-type: none"> finds ranges for data sets 			
	<ul style="list-style-type: none"> calculates averages (mean) and percentages 			
	<ul style="list-style-type: none"> chooses and performs required operation(s); may make 			
	<ul style="list-style-type: none"> inferences to identify required operation(s) 			
	<ul style="list-style-type: none"> selects appropriate steps to solutions 			
	<ul style="list-style-type: none"> recognizes patterns and begins to identify trends in data (e.g. population, crime, demographic, inventory, injury) 			
	<ul style="list-style-type: none"> uses strategies to check accuracy (e.g. estimating, using a calculator, repeating a calculation, using the reverse operation) 			
A2.2	<ul style="list-style-type: none"> Performs limited searches using one or two search criteria 			
	<ul style="list-style-type: none"> Extracts information from tables and forms 			
	<ul style="list-style-type: none"> Locates information in simple graphs and maps 			

This task: was successfully completed ___ needs to be tried again ___

Learner Comments

Instructor (print)

Learner Signature



Skill Building Activities

Links to Online Resources:

https://www.khanacademy.org/math/pre-algebra/applying-math-reasoning-topic/reading_data/v/reading-bar-charts-2

Reading Bar Charts: Comparing two sets of data. (1.3 min)

https://www.khanacademy.org/math/pre-algebra/applying-math-reasoning-topic/reading_data/e/reading_bar_charts_2

Practice questions on reading Bar Charts

https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/percent_word_problems/v/another-percent-word-problem

Percentage Word Problems 1 (6 min). Also followed by 4 other Percentage Word Problems and then questions to solve for practice.

<http://www.gcflearnfree.org/math/percents/2>

Calculating Percentages Problems

LearningHUB online courses available:

- **Math, Independent Study (Assigned by practitioner after assessment) :**
 - Addition & Subtraction Asg.; Data Analysis Asg; Percent & Mixed Operations Asg. 1 & 2
- **Essential Skills, Independent Study (Assigned by practitioner after assessment):**
 - Document Use Level 1 Asg 2
- **Live Classes (SABA)**
 - Percentages A & B; Measures of Central Tendency

***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>