



Task Title: Planning Kindergarten Snacks

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: Based on a budget, the learner will calculate the total cost of snacks for a kindergarten class.

Main Competency/Task Group/Level Indicator:

- Understand and Use Numbers/Manage money/C1.2
- Understand and Use Numbers/Use measures/C3.2

Materials Required:

- Pen/pencil and paper and/or digital device
- Calculator or digital device with calculator function

Learner Information

Early Childhood Educators (ECE), teachers and other childcare workers may need to purchase snacks for special events in the classroom. Read the “Kindergarten Scenario”.

Kindergarten Scenario

Julian works as an Early Childhood Educator (ECE) in a Kindergarten classroom. There are 32 children in the class. On Friday, there will be a special snack served after a winter play day. Each child has been asked to bring \$2 to pay for Friday’s snack. Julian needs to make decisions about which snacks to purchase based on the total budget.

Work Sheet

Task 1: What is the total amount of money Julian has to spend on a snack for 32 children if 3 children were unable to pay the \$2?

Answer:

Task 2: The local grocery store has nut-free granola bars on sale for \$3.99 for a package of 6. How many packages will Julian need to purchase if every child receives one granola bar?

Answer:

Task 3: Calculate the total cost of the granola bars, including 13% sales tax.

Answer:

Task 4: After purchasing the granola bars, how much money will Julian have left from the money he collected from the class?

Answer:

Task 5: Julian also wants to buy hot chocolate and marshmallows for the entire class and is not sure he has enough money.

a) If each child needs one hot chocolate packet, 125 mL of milk, and 50 grams of marshmallows for their hot chocolate, use the prices below to calculate the total cost for the entire class.

Prices:

- **Hot chocolate packet: \$3.00 for a package of 4 (plus 13% sales tax)**
- **Milk: \$4.50 for 2 Liters (no sales tax)**
- **Marshmallows: \$2.75 for a 400g bag (plus 13% sales tax)**

Answer:

b) Will Julian have enough money for hot chocolate and marshmallows for the class?

Answers

Task 1: What is the total amount of money Julian has to spend on a snack for 32 children if 3 children were unable to pay the \$2?

Answer: $29 \text{ children} \times \$2 = \$58.00$

Task 2: The local grocery store has nut-free granola bars on sale for \$3.99 for a package of 6. How many packages will Julian need to purchase if every child receives one granola bar?

Answer: $32/6 = 5.3$. Julian will need to purchase 6 packages of granola bars

Task 3: Calculate the total cost of the granola bars, including 13% sales tax.

Answer: $\$3.99 \times 6 = \23.94

$\$23.94 \times 0.13 = \3.11

$\$23.94 + \$3.11 = \$27.05$ total purchase price

Task 4: After purchasing the granola bars, how much money will Julian have left from the total snack money he collected from the class?

Answer:

$\$58.00 - \$27.05 = \$30.95$ change

Task 5: Julian also wants to buy hot chocolate and marshmallows for the entire class and is not sure he has enough money.

a) If each child needs one hot chocolate packet, 125 mL of milk, and 50 grams of marshmallows for their hot chocolate, use the prices below to calculate the total cost for the entire class.

Prices:

- **Hot chocolate packet: \$3.00 for a package of 4 (plus 13% sales tax)**
- **Milk: \$4.50 for 2 Liters (no sales tax)**
- **Marshmallows: \$2.75 for a 400g bag (plus 13% sales tax)**

Answer:

Hot chocolate: 32 students / 4 packets per package = 8 packages of hot chocolate are required

$$8 \times \$3.00 = \$24.00$$

$$\$24.00 \times 0.13 = \$3.12 \text{ (tax)}$$

$$\$24.00 + \$3.12 = \$27.12 \text{ for hot chocolate}$$

Milk: 2L = 2000mL

2000mL/125mL per student = 16 students will have milk for every 2L carton purchased

32 students/16 = 2 cartons of 2L milk required

$$2 \times \$4.50 = \$9.00 \text{ for milk (no tax)}$$

Marshmallows: 400g/50g per student = 8 students will have marshmallows for every 400g bag purchased

32 students/8 = 4 bags of 400g marshmallows required

$$4 \times \$2.75 = \$11.00$$

$$\$11.00 \times 0.13 = \$1.43 \text{ (tax)}$$

$$\$11.00 + \$1.43 = \$12.43 \text{ for marshmallows}$$

Total cost:

$$\$27.12 \text{ (hot chocolate packets)} + \$9.00 \text{ (milk)} + \$12.43 \text{ (marshmallows)} = \$48.55.$$

b) Will Julian have enough money to provide hot chocolate and marshmallows for the class? Explain.

Answer: No, Julian will not have enough money to purchase hot chocolate for the students. He only has \$30.95 remaining.

Task Title: PlanningKindergardenSnacks_E_C1.2_C3.2

Note: Tasks 1-4 build on the answer the learner has calculated in the previous task. If the learner has made a calculation error early on, subsequent responses will not be correct. You can assess the calculations for each question based on the numbers the learner has used, even if they are incorrect.

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, \$/l)			
	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			
	uses strategies to check accuracy (e.g. estimating, using a calculator, repeating a calculation, using the reverse operation)			
C3.2	converts units of measurement within the same system and between systems			

Task Title: PlanningKindergardenSnacks_E_C1.2_C3.2

This task: Was successfully completed Needs to be tried again

Learner Comments:

Instructor (print):

Learner (print):
