

OALCF Task Cover Sheet

Task Title: School BBQ Table Calculations

Learner Name:	
Date Started:	Date Completed:
Successful Completion: Yes___ No___	
Goal Path: Employment___ Apprenticeship___ Secondary School___ Post Secondary___ Independence <input checked="" type="checkbox"/>	
Task Description: In this task set, a learner is asked to calculate the number of tables required for the event based on measurements and the number of people attending and to calculate the number of plastic tablecloths needed.	
Competency: A Find and Use Information C Understand and Use Numbers	Task Group(s): A1 Read continuous text C1 Manage money C3 Use measures
Level Indicators: A1.1: Read brief texts to locate specific details C1.1 Compare costs and make simple calculations C3.1 Measure and make simple comparisons and calculations	
Performance Descriptors: see chart on last page	
Materials Required: <ul style="list-style-type: none">● Question Sheet● Calculator (optional)● Computer (optional)	

Task Title: School BBQ Table Calculations

At many elementary schools, Parent Councils and School Staff co-host a Parent-Teacher BBQ at the beginning of each school year (September) to encourage positive relationships and communication. As a volunteer on the Parent Council, a person may be in charge of making sure that there are enough tables for the food buffet and for people to sit down to eat. That person may also need to buy plastic tablecloths to cover the tables.

Scenario: You are the Parent Volunteer in charge of the tables and tablecloths. Each table is six feet long and 32 inches wide. Three people can sit on each side of one table. Four tables are put together end to end to make one row. There needs to be seating for 80 people. The buffet needs five tables to spread out all the food. Plastic tablecloths in the school colours, gold and green, need to be purchased to cover all tables. Each tablecloth is \$2.99 plus tax and measures 70 x 108 inches. Volunteers will be paid back for any purchases they have to make for the BBQ.

Task 1: Calculate the length of one row of four tables set end to end length-wise.

Task 2: How many people can sit at one row of four tables with one person sitting on each end?

Task 3: Calculate the length of the buffet.

Task 4: How many tables will be needed to ensure that there is seating for 80 people?

Task 5: How many tablecloths does a volunteer have to buy to cover the buffet tables and the tables for eating?

Task 6: What is the before tax cost of the total number of tablecloths?

Task Title: School BBQ Table Calculations – ANSWER SHEET

Task 1: Calculate the length of one row of four tables set end to end.

24 feet

6 feet (length per table) x 4 (number of tables in one row) = 24 feet

Task 2: How many people can sit at one row of four tables with one person sitting on each end?

26 people

3 people can sit on one side of a 6 foot table. 6 divided by 3 = 2 feet per person

Each row is 24 feet long. Each row has 2 sides. 24 feet x 2 = 48 feet

48 feet divided by 2 feet per person = 24 people sitting on both sides of the row

(Another option: Each row is 24 feet long. 24 feet divided by 2 feet per person = 12 people. 12 people per side x 2 sides = 24 people sitting on both sides of one row of tables.)

One person per end. 1 person x 2 ends = 2 people

24 people on the sides + 2 people on the ends = 26 people at one row of tables

Task 3: Calculate the length of the buffet.

30 feet

5 tables x 6 feet (length per table) = 30 feet

Task 4: How many tables will be needed to ensure that there is seating for 80 people?

13 tables

Decide that People = Seats

80 seats divided by 26 seats per row = 3.077 rows

4 tables per row. 4 tables x 3 rows = 12 tables

3 rows x 26 seats = 78 seats

80 seats – 78 seats (3 rows) = 2 seats (still needed)

Decide that 2 seats can be provided at one table.

12 tables + 1 table = 13 tables (80 seats)

Task 5: How many tablecloths does a volunteer have to buy to cover the buffet tables and the tables for eating?

13 tablecloths

Convert the length of one tablecloth into feet. (Based on the fact that there are 12 inches in one foot.)

108 inches divided by 12 inches = 9 feet (length of one tablecloth)

Buffet Table is 30 feet long (Task 3).

30 feet divided by 9 feet (length per tablecloth) = 3.333.

Decide that 4 tablecloths need to be purchased to completely cover the buffet table.

13 tables are needed for seating.

13 tables x 6 feet (length per table) = 78 feet

78 feet divided by 9 feet (length per tablecloth) = 8.666

Decide that 9 tablecloths need to be purchased to completely cover all the tables.

9 tablecloths (seating) + 4 tablecloths (buffet) = 13 tablecloths in total

Task 6: What is the before tax cost of the total number of tablecloths?

\$38.87

13 tablecloths x \$2.99 each = \$38.87

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Performance Descriptors		Needs Work	Completes task with support from practitioner	Completes task independently
A1.1	<ul style="list-style-type: none"> Reads short texts to locate a single piece of information 			
	<ul style="list-style-type: none"> Decodes words and makes meaning of sentences in a single text 			
	<ul style="list-style-type: none"> Follows the sequence of events in straightforward chronological texts 			
	<ul style="list-style-type: none"> Follow simple, straightforward instructional texts 			
	<ul style="list-style-type: none"> Identifies the main idea in brief texts 			
C1.1	<ul style="list-style-type: none"> Adds, subtract, multiplies and divides whole numbers and decimals 			
	<ul style="list-style-type: none"> Identifies and performs required operation 			
	<ul style="list-style-type: none"> Follows apparent steps to reach solutions 			
	<ul style="list-style-type: none"> Interprets and represents costs using monetary symbols and decimals 			
	<ul style="list-style-type: none"> Uses strategies to check accuracy (e.g. estimating, using a calculator, repeating a calculation, using the reverse operation) 			
C 3.1	<ul style="list-style-type: none"> Adds, subtracts whole numbers measurements 			
	<ul style="list-style-type: none"> Recognizes values in number and word format 			
	<ul style="list-style-type: none"> Understands numerical order 			
	<ul style="list-style-type: none"> Makes simple estimates 			
	<ul style="list-style-type: none"> Chooses appropriate units 			
	<ul style="list-style-type: none"> Identifies and performs required operation 			
	<ul style="list-style-type: none"> Interprets and represents measures using whole numbers, 			

	decimals and simple, common fractions			
	<ul style="list-style-type: none"> Follows apparent steps to reach solutions 			
	<ul style="list-style-type: none"> Rounds to the nearest whole unit 			
	<ul style="list-style-type: none"> Uses strategies to check accuracy 			
C3.2	<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"> Understands ratio and proportion 			
	<ul style="list-style-type: none"> Converts units of measurement within the same system and between systems 			
	<ul style="list-style-type: none"> Chooses and performs required operations, may make inferences to identify required operations 			
	<ul style="list-style-type: none"> Selects appropriate steps to solutions 			
	<ul style="list-style-type: none"> Interprets, represents and converts measures using whole numbers, decimals, percentages, ratios and simple, common fractions 			
	<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