



Task Title: Calculate Flower Bed Materials and Cost

OALCF Cover Sheet – Learner Copy

Learner Name: _____

Date Started: _____

Date Completed: _____

Successful Completion: Yes No

Goal Path: Employment Apprenticeship

Secondary School Post Secondary Independence

Task Description: Calculate materials and costs for creating a flower bed.

Main Competency/Task Group/Level Indicator:

- Find and Use Information/Interpret documents/A2.1
- Understand and Use Numbers/Manage money/C1.2
- Understand and Use Numbers/Use Measures/C3.3

Materials Required:

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

Learner Information

Workers at a Garden Centre help people plan their gardens. This includes helping them choose the appropriate plants, calculating how much soil or mulch they will need, determining how many plants are needed in a certain area, and calculating the final cost.

Work Sheet

Task 1: A customer wants to make a flower bed at the back of her house. The flower bed will measure 4.8m by 8.4m.

a) Calculate the area of the flower bed.

Answer:

b) Calculate the number of full bags of mulch required to cover the bed. Each bag covers 3.5m^2 .

Answer:

c) Calculate the cost of the mulch the customer will be purchasing. Each bag of mulch costs \$7.00. Be sure to include HST (13%).

Answer:

d) Calculate the amount of top soil needed to spread 10cm deep on the whole bed.

Answer:

e) How many bags of topsoil will the customer need to buy if each bag contains 0.35 m^3 ?

Answer:

f) Calculate the total cost of the topsoil. Each bag of topsoil costs \$4.79. Be sure to include HST (13%).

Answer:

Task 2: The customer purchases the following plants for the flower bed:

- **Impatiens 3 per meter along the inner edge of the flower bed.
Impatiens can be bought in flats of 9 for \$5.99.**
- **Hostas - 10 for \$2.79 each**
- **Geraniums - 12 for \$2.39 each**
- **Rose Bushes - 3 at \$12.99 and one at \$24.99**
- **Shrubs - 2 at \$25.99 and one at \$44.99**

Calculate the total cost of the plants. Be sure to include HST (13%).

Answer:

Task 3: Calculate the total cost of materials for the garden. Include a delivery charge of \$50.00. There is no HST charge on deliveries.

Answer:
