



## Task Title: Calculate Volume of Soil Required

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:** The learner will calculate the amount of soil needed and total cost to purchase soil for a backyard project.

### 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

Tradespeople and homeowners often calculate soil amounts needed for a project. Making proper calculations ensures enough soil is purchased and extra soil does not go to waste.

Scan the Volume Formula.

### **Volume Formula**

Volume of a square or rectangular object = length x width x height

## Work Sheet

**Task 1: Calculate the amount of soil required to fill a backyard hole that is 12 feet long, 6 feet wide, 2 feet deep.**

Answer:

---

**Task 2: Soil can be purchased in bags of 2 cubic feet. How many bags of soil are needed?**

Answer:

---

**Task 3: The soil costs \$13.00 per bag. Calculate the total cost, including HST, to purchase the amount of soil needed.**

Answer:

---