



Task Title: Using a Diagram of a Staircase

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:

Use measures on a diagram to perform multi-step calculations for a staircase.

Main Competency/Task Group/Level Indicator:

- Find and Use Information/Interpret documents/A2.3
- Understand and Use Numbers/Use measures/C3.3

Materials Required:

- Paper and pencil and/or digital device
- Calculator

Work Sheet

Task 1:

The volume of a stairwell can be calculated by multiplying the area of one step (*rise x run*) by the total number of steps. What is the approximate volume of the stairwell?

Answer:

Task 2:

The rise of the staircase is the sum of the individual rise measurements for all steps. What is the total rise from the bottom floor to the top of the last step?

Answer:

Task 3:

The conversion rate for inches to centimetres is 1 inch = 2.54 centimetres: What is the total rise from the bottom floor to the top of the last step in centimetres rounded to 2 decimal points?

Answer

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Task 4:

The run of a stair is the horizontal distance. What is the total horizontal distance covered by all the stairs in inches?

Answer:
