



Task Title: Plumber Material Requirements

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 perform math calculation tasks related to a plumbing project.

Main Competency/Task Group/Level Indicator:

- Find and Use Information/Read continuous text/A1.2
- Understand and Use Numbers/Use measures/C3.1

Materials Required:

- Pen/pencil and paper
- Calculator is optional

Learner Information

Plumbers work on projects that require many different materials, such as pipes. They are required to calculate the total materials needed to complete a job.

Work Sheet

Task 1: A plumber is installing a 12-metre water line in a house. Calculate the number of 3-metre pipes needed for the job.

Answer:

Task 2: A project requires connecting six pieces of 2-metre pipe. Calculate the number of couplings needed if each connection requires one coupling.

Answer:

Task 3: A plumber is installing water shut-off valves for 4 sinks. Each sink needs a hot and cold shut-off. Calculate the total shut-off valves needed.

Answer:

Task 4: A plumber needs to install water pipes for a bathroom. Use the following to calculate the total length of pipe required.

- Toilet: 1.5 metres
- Sink: 2 metres
- Shower: 3 metres

Answer:

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Task 5: A plumber is running pipe through a house. Calculate the number of 90-degree elbows needed if the pipe changes direction at five different corners.

Answer:
