

Task Title: Measurement of an L-Shaped Room

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 materials needed to renovate a “L” shaped living and dining room.

Main Competency/Task Group/Level Indicator:

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

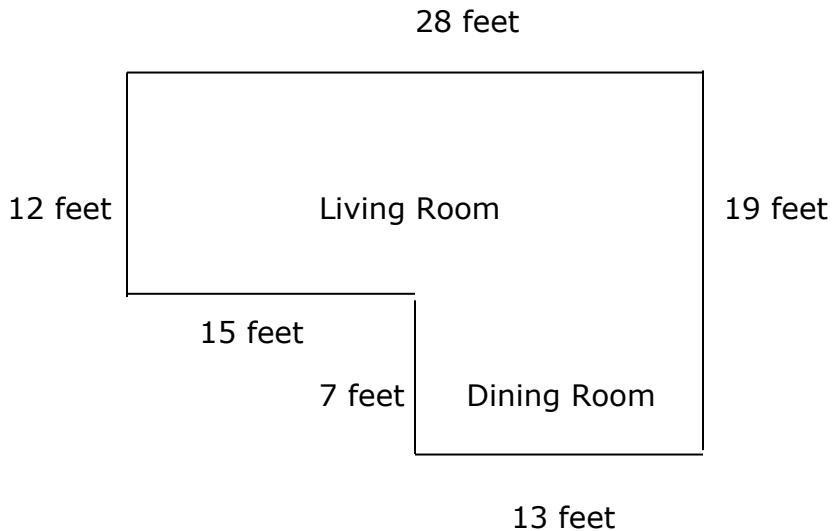
Learner Information

People often need to calculate the amounts of materials they will need to paint a room or install new flooring and baseboards. They use this information to determine total costs for a renovation or interior design project.

People who work in trades (e.g. construction, HVAC, etc.) calculate sizes of rooms to determine how much supplies will cost so they can give correct estimates and purchase the correct amount of materials for a job.

Work Sheet

Task 1: You want to replace baseboards and paint an 'L' shaped living and dining room. Look at the diagram of the room. The walls are 9 feet high.



Calculate the perimeter of the entire "L" shaped to determine the total length of the baseboards. Write down the total baseboard length.

Answer:

Task 2: Calculate the total cost to purchase new baseboards. Baseboards cost \$3.99 per foot (there is no tax). Write down the cost.

Answer:

Task 3: Calculate the surface area of the walls of the entire room and write down the surface area.

Answer:

Task 4: You want to apply two coats of paint on the walls. A gallon of paint covers 300 square feet of wall space. How many cans of paint will you need to purchase?

Answer:

Task 5: You choose paint for the living room and dining room that costs \$26.25 per gallon. Calculate the total cost of the paint (there is no tax).

Answer:

Task 6: What is the area of the floor?

Answer:

Task 7: You want to put laminate flooring in the entire room. Laminate costs \$3.00 per square foot (there is no tax). How much will it cost?

Answer:

Task 8: You want to compare the cost of laminate flooring with the cost of hardwood flooring. Hardwood costs \$8.00 per square foot (there is no tax). How much will it cost?

Answer:

Task 9: How much money will you save if you choose laminate instead of hardwood flooring?

Answer:
