



Task Title: Calculate Paint Quantity 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: Calculate the quantity of paint required when given room dimensions and paint coverage rates.

Main Competency/Task Group/Level Indicator:

- Understand and Use Numbers/Use Measures/C3.3

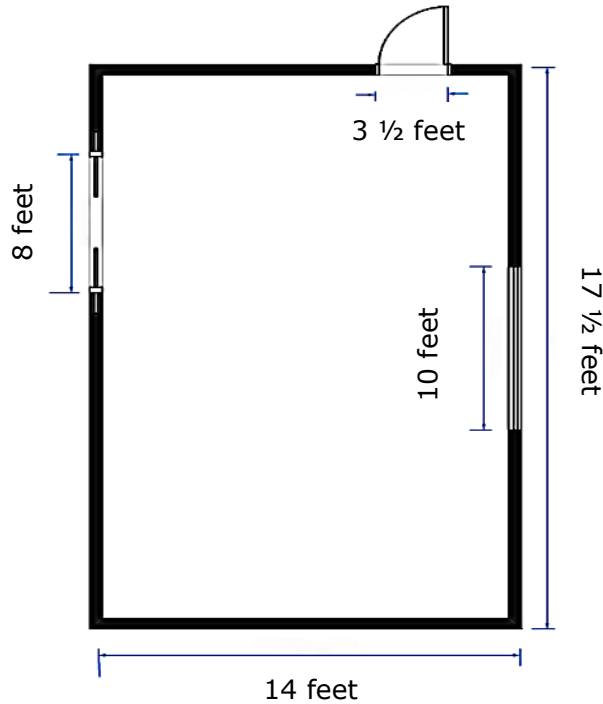
Materials Required:

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

Learner Information

Painters use surface area to calculate how much paint is required to complete a job. Scan the Layout of Living Room diagram and the Paint Coverage Chart.

Layout of Living Room



The living room:

- measures 17 1/2 ft. long by 14 ft. wide and has walls that are 9 ft. tall
- has two door-ways: one is 8ft wide and 7 1/2 ft. high and the other is 3.5ft wide and 7 1/2 ft. high
- has a picture window that is 6 3/4 ft. high and 10 ft. wide.

Paint Coverage Chart

Paint Can Size	Coverage (square ft.)
1 Gallon	400 square feet
1 Quart	100 square feet
1 Pint	25 square feet

Work Sheet

Task 1: Calculate the area of the picture window.

Answer:

Task 2: Calculate the area of the small door.

Answer:

Task 3: Calculate the area of the large doorway.

Answer:

Task 4: Calculate the area of the ceiling.

Answer:

Task Title: CalculatePaintQuantityRequired_EAI_C3.3

Task 5: Calculate how many gallons and/or quarts of paint are needed to paint the ceiling if two coats of paint are required to ensure good coverage.

Answer:

Task 6: Calculate the area of the walls of the room.

Answer:

Task 7: Calculate how many gallons and/or quarts of paint are needed for the walls if two coats of paint are required to ensure good coverage.

Answer:
