

3-Room Makeover

You want to do a makeover for three (3) rooms in your home. Here are the components that make up the expenses:

- Paint
- Special paint tape

Part-1

Your task is to determine the budget (\$) required to purchase all the necessary materials to do the makeover. Using the below information and specifications, **calculate the required budget and itemize each expense (from above) indicating the cost for each component to justify your answer.**

Legend

1. Lengths are measured in **m** (meters)
2. Area is measured in **m²** (square meters)

Room Specifications

Room-1

- Floor area: 64 m²
- Windows: 2 @ (1.5m high x 1m wide)
- Door: 2m high x 1m wide
- Wall Colour: Pale Walnut

Room-2

- Floor area: 32 m² (one side is 4m)
- Windows: 2 @ (1.5m high x 1m wide)
- Door: 2m high x 1m wide
- Skylight: 2m long x 2m wide
- Wall Colour: Pale Walnut

Room-3

- Floor area: 90 m² (L-shaped room)
- Section 1 dimensions: 3m X 3m.
- Section 2 area: 81 m²
- Windows: 2 @ (1.5m high x 2m wide)
- Door: 2m high x 1m wide
- Closet Door: 2m high x 2.5m wide
- Wall Colour: Pale Walnut

Common Specifications *(applies to ALL rooms)*

- Wall heights are 3 m
- Painting tape is used when doing the walls to maintain clean colour separation between surfaces
- Paint:
 - All ceilings require 2 coats (white) using the special ceiling paint
 - All walls require a single base-coat before applying the coloured paint
 - All walls require 2 coats of the finishing paint (in the specified colour)

Materials/Costs

Sales tax of 13% applicable to all material purchases

Paint Options

Special Ceiling Paint (white)

- Large can (covers 10 m²) \$30.75
- Small can (covers 5 m²) \$18.25

Base-coat Wall Paint (white)

- Large can of paint (covers 12 m²) \$40.75
- Small can of paint (covers 6 m²) \$25.25

Finishing Wall Paint (final colour)

- Large can of paint (covers 15 m²) \$47.75
- Small can of paint (covers 7.5 m²) \$30.25

Painting Tape

- Special 1" wide paint tape is \$3.50 per roll. Each roll is 50m in length.

Note: Applying painting tape helps prevent paint from one surface to run onto another adjacent surface (example: ceiling/walls, walls/doors/windows)

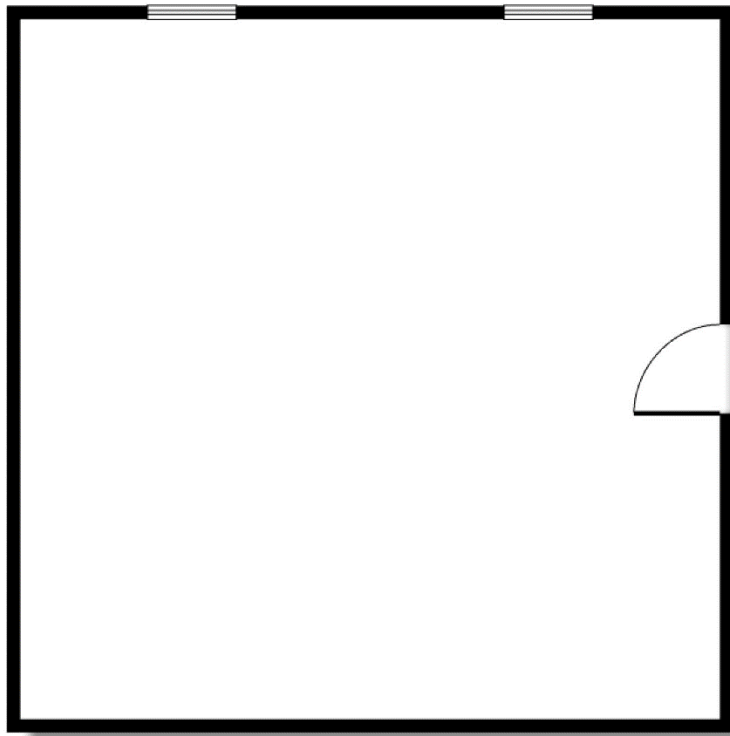
Special Note

- You can assume to have all other required incidentals like brushes, rollers, trays, and cleaning products required to carry out the job.
- You only need to budget for the paint and painting tape required to complete the makeover

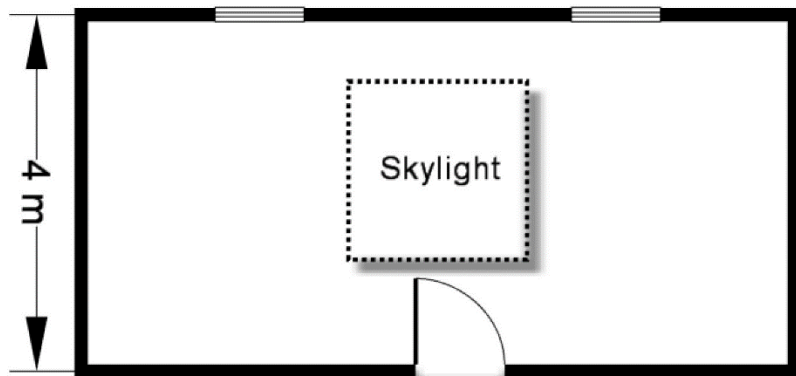
Part-2

What would the required budget be if each room wall colour were different (finishing paint)?

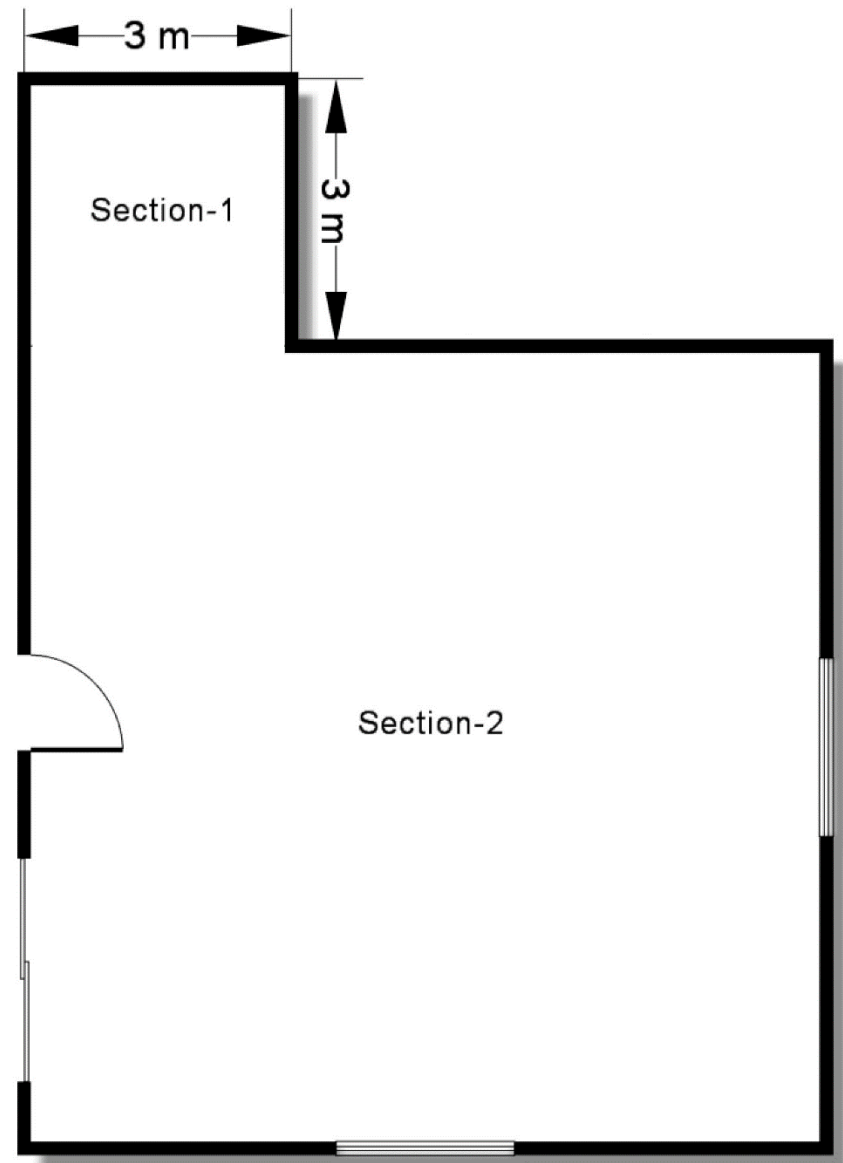
- Room-1 wall colour: Pale Walnut
- Room-2 wall colour: Coffee Beige
- Room-3 wall colour: Dark Mocha



Room #1
(Area: 64 sq. meters)



Room #2
(Area: 32 sq. meters)



Room #3
(Area: 90 sq. meters)