

## Problem

Edel, a painter and decorator, has been asked to price a painting contract.

### The Room

The living room measures 4.5 m long by 4 m wide with a standard ceiling height of 2.4 m.

The room has a standard structural opening for the door of 900 mm by 2100 mm. This is to allow for current legislation on wheelchair access on the ground floor.

It also has a stone internal chimney breast of width 1.2 m and depth 0.6 m which runs from the floor to the ceiling and does not require painting. This chimney breast is on the 4.5 m wall.

Finally, the room has two windows, 900 mm wide by 1450 mm high.

### The Paint

The customer has chosen paint for the walls that costs £19.99 for a 2.5 litre tin or £36.99 for a five litre tin.

White paint for the ceiling is cheaper at £12.99 for a 2.5 litre tin and £5.99 for a one litre tin.

For both types of paint (wall and ceiling) one litre will cover approximately  $10 \text{ m}^2$ .

Edel thinks it will require two coats of paint on both the ceiling and the walls and that it will take her 1.5 days to paint it. She charges £90 per day for her time.



What is the cheapest quote Edel could give for the cost of the contract?

