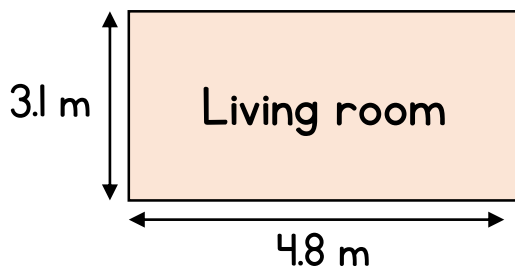


House

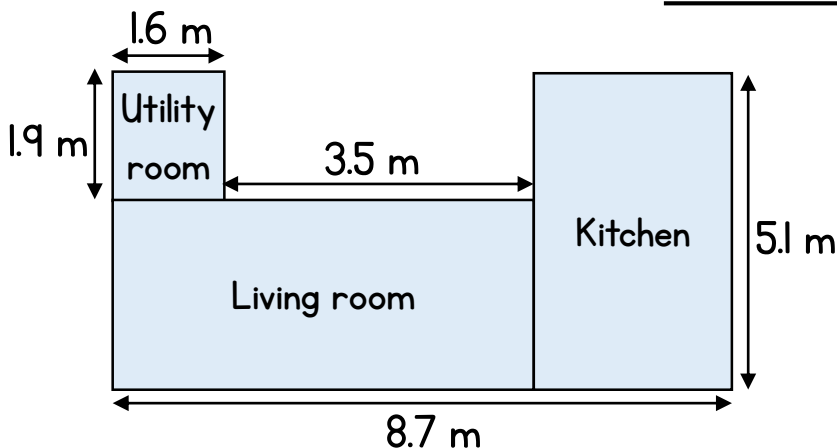


- a) What length of skirting board is needed to cover the perimeter of the room?

15.8 m

- b) How area of carpet is needed to cover the floor of the room?

14.88 m²



- a) What is the total area of the three rooms shown?

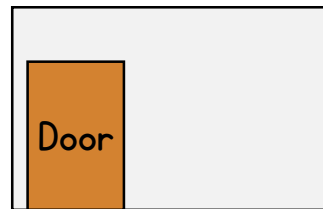
37.72 m²

- b) The cost of flooring is £13 per m².
What is the cost of the flooring for all the rooms?

£490.36

- 3 The room has a width of 4.9 m and height of 2.6 m.
The door has an area of 2.2 m^2 .

a) What is the area of the wall?



10.54 m^2

Roll of wallpaper

Covers 3 m^2

£9

Tin of paint

Covers 5 m^2

£7.40

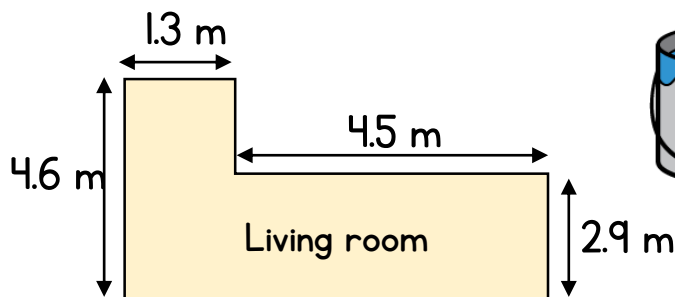


- b) How much cheaper is it to paint the wall than wallpaper?

$$\text{Wallpaper} = 4 \times £9 = £36$$

$$\text{Paint} = 3 \times £7.40 = £22.20$$

£13.80



Tin of luxury paint

Covers 13 m^2

The room has a height of 2.5 m.

A decorator charges a fee of £29 plus £16.50 per tin of paint.

What is the total cost of painting all the walls in the room?

$$\text{Perimeter} = 20.8 \text{ m}$$

$$\text{Area of wall} = 20.8 \times 2.5 = 52 \text{ m}^2$$

$$\text{Tins of paint needed} = 52 \div 13 = 4$$

$$\text{Cost of paint} = 4 \times 16.50 = £66$$

£95