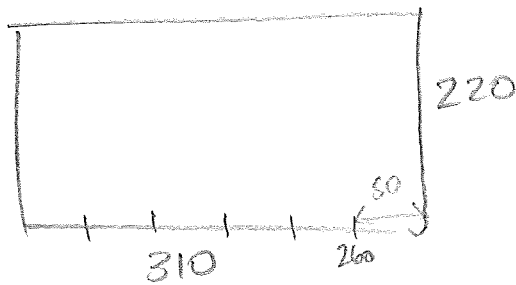


c) Calculate the cost of wallpaper for your room.

(4 marks)



$$6 \text{ drops of } 220 \text{ cm} = 1320 \text{ cm}$$

$$= 13.2 \text{ m}$$

\therefore need 2 rolls.

Question 7 The renovation for this room will be the new frame around the door, the skirting board, two coats of paint for the room and the wall paper. What is the total cost of the room renovation?

FRAME $2 + 0.9 + 2 = 4.9 \text{ m}$ $4.9 \times 11 = \$53.90$

SKIRT $3.1 + 2.2 + 3.3 \times 2 = 11.9$ $11.9 \times 4.8 = \$57.12$

PAINT $3.3 \times 2.2 \times 2 + 3.1 \times 2.2 - (2 \times 0.9 + 1.3 \times 0.65) = 18.695$

$18.695 \times 2 = 37.39 \text{ m}^2$ Cost \$68.50

W/PAPER $2 \times 57.67 = \$115.34$

TOTAL \$294.86

Question 8 Americans use **imperial measures**, for example feet and inches.

(5 marks)

a) What is an inch in centimetres? One inch = 2.54 cm

b) What is the height of the door in inches?

$$200 \div 2.54$$

c) Calculate the approximate area of the wallpaper in square feet.

$$310 \div 2.54 \div 12 = 10.2 \text{ ft}$$

$$220 \div 2.54 \div 12 = 7.2 \text{ ft}$$

Area = $10.2 \times 7.2 = 73.4 \text{ sq ft}$

END OF APPLICATION