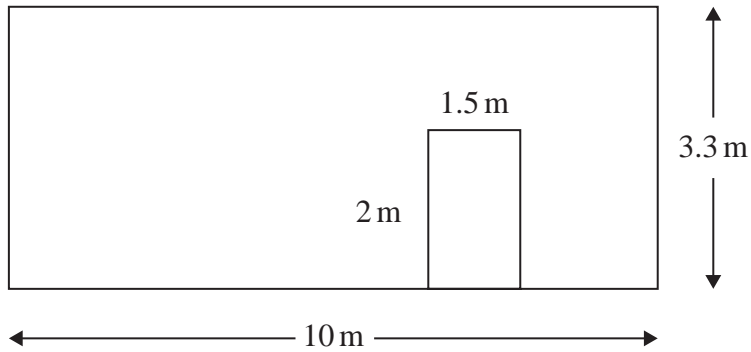


- 23 The diagram shows a rectangular wall, 10 metres by 3.3 metres.
A rectangular door in the wall is 2 metres by 1.5 metres.



Zac is going to mix yellow paint and blue paint in the ratio 1:4 to paint the wall.
He will **not** paint the door.

Zac assumes 1 litre of paint will cover 10m^2

Yellow paint is sold in 1 litre tins costing £4.75 each.

Blue paint is sold in 1 litre tins costing £5.50 each.

Zac has £20 to buy paint.

- (a) Does Zac have enough money to buy all the paint he needs?
You must show all your working.

(5)

Zac's assumption is wrong, and 1 litre of paint will cover more than 10m^2

- (b) How might this affect your answer to part (a)?
You must explain your answer.

(1)