

DEFENCE OFFICERS ACADEMY DEHRADUN



MISSION RIMC DEC 2022

MATHEMATICS

MENSURATION

PART - 4

$$\nabla \times \mathbf{H} = \mathbf{J} + \mathbf{I}$$



defenceofficersacademy.in

RING JUNE 2022 WRITTEN QUALIFIED



AHEM HEMANT AHER ROLL.NO-MH20221046 STATE-MAHARASHTRA

defenceofficersacademy.in



RIMC JUNE 2022 WRITTEN QUALIFIED



ADITYA SINGH TAKULI STATE- UTTAR PRADESH ROLL NO- 195 defenceofficersacademy.in



RING JUNE 2022 PRINCE OFFICE OFFICE ACADEMY ACADEMY AND THE COLUMN AND THE COL



INAN KUNDU JAMMU & KASHMIR ROLL NO- 2206082 B

9917633604/7060500801/803

defenceofficersacademy.in



RIMC JUNE 2022 WRITTEN QUALIFIED



AARADHYA ROLL.NO- 2206230 STATE- DELHI

9917633604/7060500801/803

FOLLOW US NOW



DEFENCE OFFICERS
ACADEMY
Secures About.
A Premier hostoute only for Delence Services

CONGRATULATIONS

PRATIBINDYA PAL ODISHA



RIMC JOINING HAS COME



CALL US:9917633604/7060500801/803 defenceofficersacademy.in









RAJASTHAN





CALL US: 9917633604/7060500801/803 defenceofficersacademy.in









TAMIL NADU



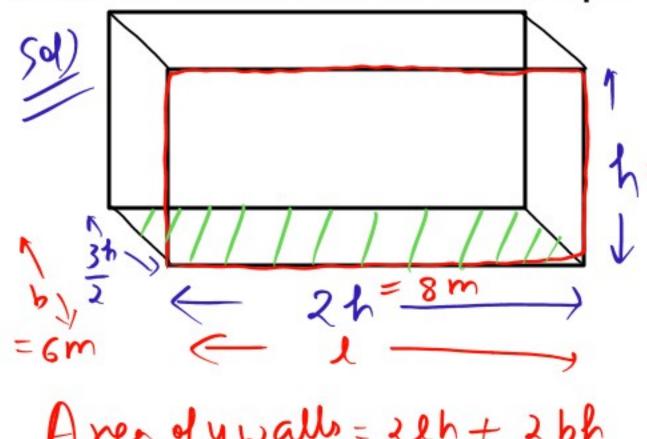
REGISTER NOW

CALL US: 9917633604/7060500801/803 defenceofficersacademy.in

REGISTER NOW

1.Length of a classroom twice its height and its breadth 1 ½ times its height . The cost of white washing the 4 walls at a rate of Rs 1.60 per m is Rs 179.20 . Find the cost of tiling

the floor at the rate of Rs 6.75 per m?



Area of ywalls =
$$2h = 8m$$

$$= 2h = 8m$$

$$= 2h + 2bh$$

$$= 2h(1+b)$$

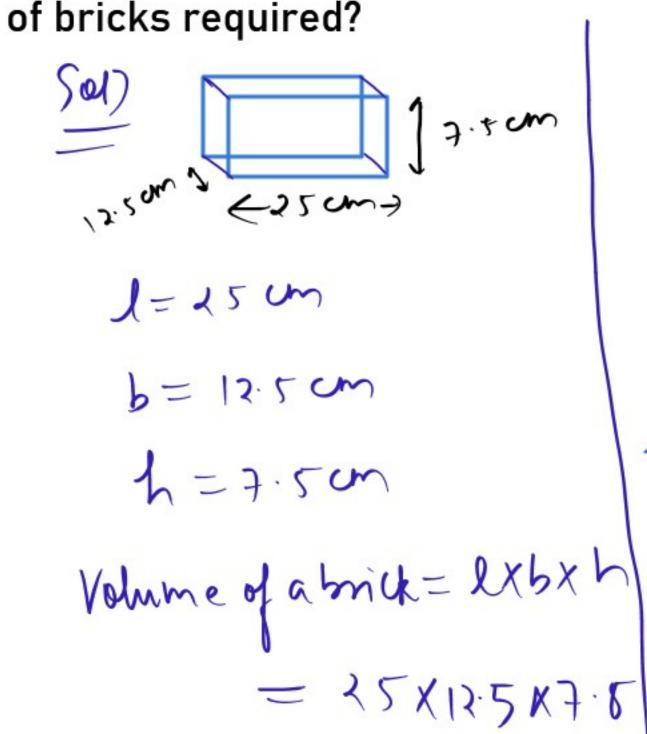
By using unitary

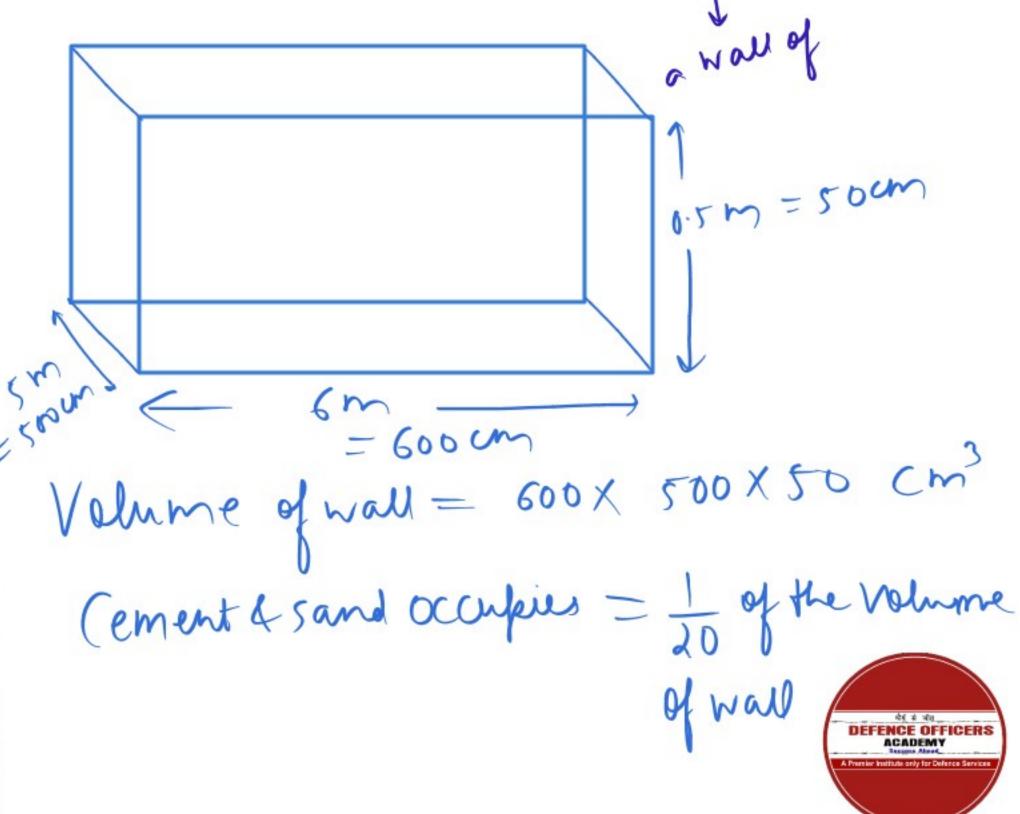
$$2h(1+b) = 112$$
 $1+60 \neq 1 \quad m^2 \quad 2h(1+b) = 112$
 $1+9\cdot 20 \neq 1 \quad more$
 $2h(1+b) = 112$
 $2h(1+b) = 112$

b= 6 m Area of floor= lxb Dree of floor = 8x6=48m2 By using unitary method

48 X 6.75 E = 324 =

2. The brick measures 25 cm x 12.5cm x 7.5 cm and is used to construct size 6m x 5m x 0.5m. If the cement and sand occupies 1/20 th of the volume of the wall. Then find the no.



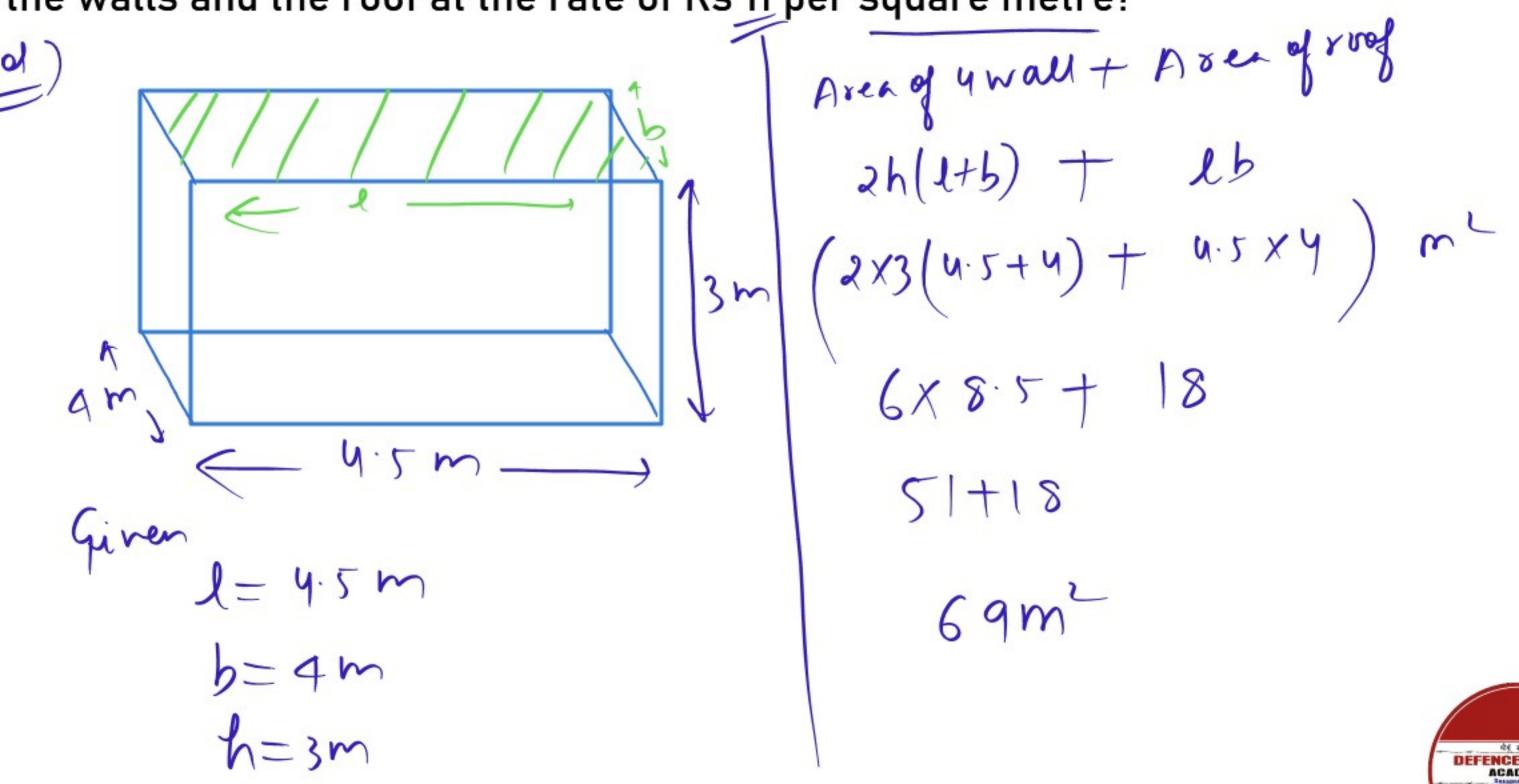


Volume of wall (excluded cement) = $\frac{19}{70} \times volume of wall$ = 19 × 600×500×50 cm3 19 X 600 X 500 X 50 X + 60 Y 1 CK 5

25 X + 25 X + 25 X + 35 X + By using unitary method. More = 19x10x prices 50 11 × 600×200×20 = 6080 bricks

3. A room is 4.5 m long and 4m wide and 3m high. Then find the cost of white washing

of the walls and the roof at the rate of Rs 11 per square metre?

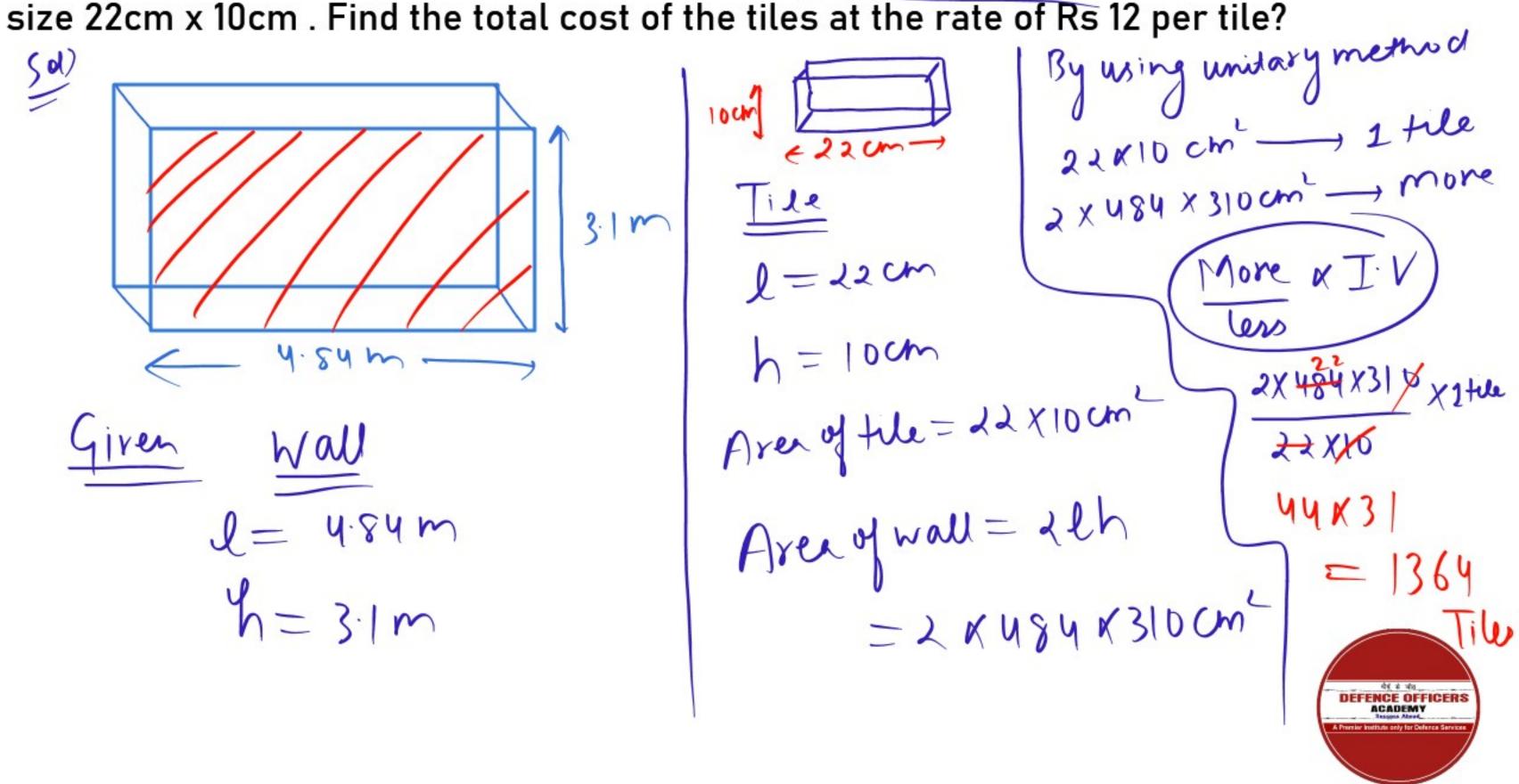




By using unitary method

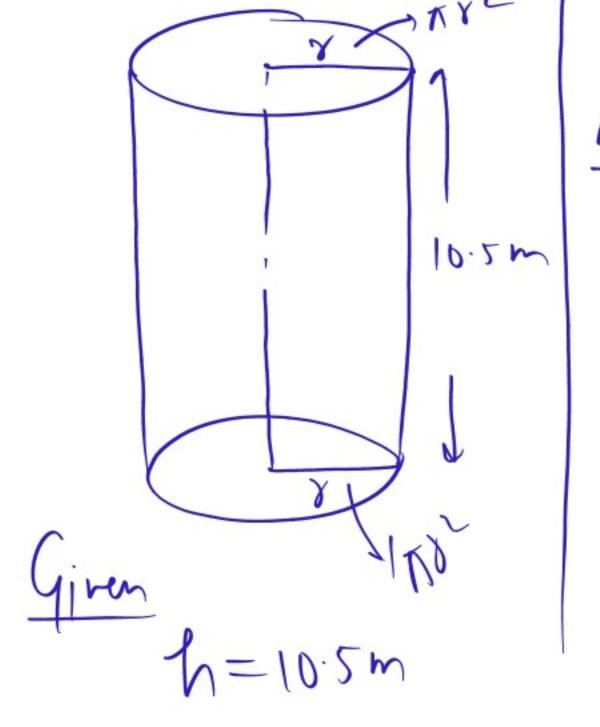
$$\frac{69}{1} \times 117 = 759 =$$

4. A wall 4.84 m long and 3.1 m high is to be covered both sides with rectangular tiles of



By using unitary method 1 file = 127 1364 files = more

5. The height of a right circular cylinder is 10.5 m . 3 times the sum of the areas of its 2 circular faces is twice the area of the curved surface . Find the volume of the cylinder.



Three

Acc to the question

$$3 \times (2 \pi)^2 = 2 \times 2 \pi$$
 $6 \times = 4 \times 10.5$
 $6 \times = 4 \times 10.5$
 $7 = 4 \times 10.5$

Two

Now 8= 7 m

· · Volume of a cylinder = T8th

 $= \frac{22}{7} \times 10.5 \text{ m}^{3}$ $= 154 \times 10.5 \text{ m}^{3}$

 $= 1617 \text{ m}^3$

Junior Courses Of Defence Officers Academy



•RIMC

•RMS



•SAINIK SCHOOL

<u>Platforms for Preparation</u>



- Offline with Hostel Facility.
- Live Classes On Google Meet/ Zoom
 Platform.
- Online Course on DOA App (Recorded Sessions).

Offline With Hostel Facility







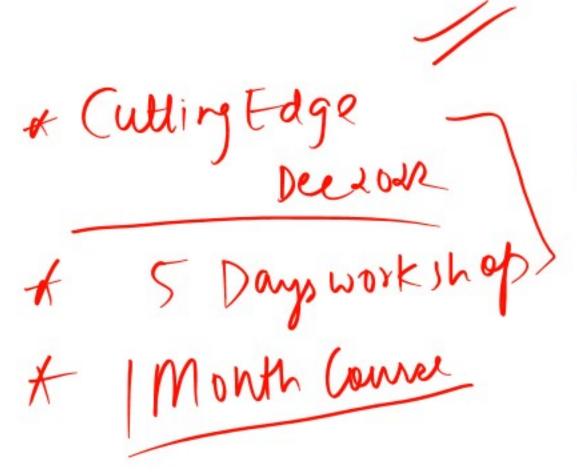
Live Classes On Google Meet/ Zoom Platform

RIM Crash Course



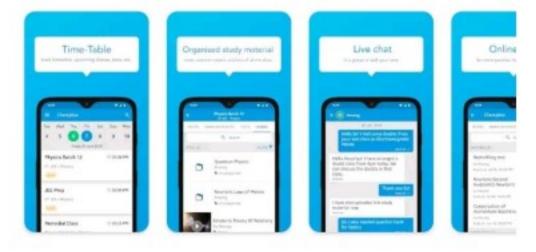
Online Course on DOA App

(Recorded Sessions).





Install







Courses (86)



TESTS VIDEOS FILES



CURRENT AFFAIRS 2022 MONTHWISE



Cutting Edge JUNE 2022

₹1,499/-



- 1 YEAR



(6 Month) Foundation- Full Course

₹4.999/-















BEST

9917633604, 7060500801

803

@DOADDN//

M G defenceofficersacademy.in

