





Mensuration

M T W T F S S
Page No.:

Date:

IMP

Ramesh built 4 walls of his room in 2 24000 at rate & 20/sq.m. What is height of his bedroom if pergmeter of floor 13/50 m? cost of building = 24000 \$ = rate x Area of walls penmeter = 2(1+b) l+b = 75 Area of 4 ways = lh+hb+lh+hb = 2h(l+b) $1200 = 2 \times h(75)$ h = 8m Q, Percentage essor in measuring side of square is 2.1. error in area? It is percentage error i.e. 2 cm over low cm. : Side, = 100 => Area, = 10000 cm2 Side = 102 => Area = (102)(102) cm2 : 1/ ezzor = Areaz-Area x 100 ... (100)2 × 100 (102+100) (102-100) = 4.04% rectangular park 60m and 40m have cross roads in it Q, and rest is lawn of 2109m2 area what is width of road. Let W be width Area park - Area Jawn = Area road 2400 -2109 = 60W+40W+W2 40 1 W=3m

Q. towel when bleached shrinks 20.1. length 10.1. break Q what is area change?

-20-10+200 =-281/,

If digonal is (4) and crea is 20 sqcm of rectan Q. what is penimeter.

> V 12+62 = V41 26 = 20

 $(e+b)^2 = e^2 + b^2 + 2eb$ = 41 + 2×20 3 MAIL MI

= 8(0,0000

what least no of tiles to pave floor of 15m 17d

and 9 m 2 cm dimensions?

1 = 1517 cm - 6 = 9000m

max size should be HCF of size of floor HCF of 1517 and 902 are 41.

no of tiles = 1517 × 902 = 814

length is holved, breadth is tripled what is area (C),

change of rectangle? length > length > -50%. breadth > 3 breacts > +2001. (Imp

7. change Area = -50+200 - 50x300 =+50%.

Triangle of 4cm, 3cm, 5cm rotated at 3cm volume of come Q. 4 5 4 5 M = \$1082h. In shower 5 cm rain is falling what is dolume of Q. water on 15hectare? 1 nectar = 10,000 m2. pepth = 5 m = 1 m /unit area · Volume of water = 1 x 10,000 x 1.5 $= 750 \,\mathrm{m}^3$ Thickness of distern walls is 5 cm external dimensions a. 3.3 x 1.1 x 2.6 m and capacity is 8000 litre thick ness of bottom? [(335-10) (266-10) (110-20)] = 3000x 1000 -> 320 x 250 x (110+21) = 8000x1000 IX = 10 cm x = 1 dm total surface area of Cone with height: 14cm Base= Q1 SA = TTY2 + TTYL $= TC(7)^2 + TC(7) \times \sqrt{7^2 + 94^2}$ = 22 ×7×7 + 22×7 × √245 $= 22 \times 7 + 22 \sqrt{245}$ = 22×7, + 22×7/5 = 154 (1+15) = 498 = 35 cm2

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cubes of sides 4,3 and 5 meet to form bigger cul what is the ratio of total surface elsego smaller wibes to larger cube? .: Syrface area of large cube = 6 l2 "Volume big = volume small $l^3 = 4^3 + 3^3 + 5^3$ 13. = 2/6