

111. A hall is 15 m. long and 12 m. broad. If the sum of the areas of the floor and the ceiling is equal to the sum of the areas of the four walls, the volume of the hall, in cu. m. , is
 (A) 720 (B) 900
 (C) 1200 (D) 1800
112. A solid cylinder has total surface area of 462 cm^2 . Its curved surface area is $\frac{1}{3}$ rd of the total surface area. Then the radius of the cylinder is
 (A) 7 cm (B) 3.5 cm
 (C) 9 cm (D) 11 cm
113. If A and B together can finish a piece of work in 20 days, B and C in 10 days and C and A in 12 days, then A, B, C jointly can finish the same work in
 (A) $4\frac{2}{7}$ days (B) 30 days
 (C) $8\frac{4}{7}$ days (D) $\frac{7}{60}$ days
114. A can do a work in 5 days less than the time taken by B to do it. If both of them together take $11\frac{1}{9}$ days, then the time taken by 'B' alone to do the same work (in days) is
 (A) 15 (B) 20
 (C) 25 (D) 30
115. The price of a certain television set is discounted by 10% and the reduced price is then discounted by 10%. This series of successive discounts is equivalent to a single discount of
 (A) 20% (B) 19%
 (C) 18% (D) 11%
116. Rahim bought a T.V. with 20% discount on list price. Had he bought it with 25% discount he would have saved ₹ 500. At what price did he buy the T.V ?
 (A) ₹ 16,000 (B) ₹ 12,000
 (C) ₹ 10,000 (D) ₹ 8,000
117. If $\frac{a}{3} = \frac{b}{2}$, then value of $\frac{2a+3b}{3a-2b}$ is
 (A) $\frac{12}{5}$ (B) $\frac{5}{12}$
 (C) 1 (D) $\frac{12}{7}$
118. Acid and water are mixed in a vessel A in the ratio of 5 : 2 and in the vessel B in the ratio 8 : 5. In what proportion should quantities be taken out from the two vessels so as to form a mixture in which the acid and water will be in the ratio of 9 : 4 ?
 (A) 7 : 2 (B) 2 : 7
 (C) 7 : 4 (D) 2 : 3
119. The average of x numbers is y and average of y numbers is x . Then the average of all the numbers taken together is
 (A) $\frac{x+y}{2xy}$ (B) $\frac{2xy}{x+y}$
 (C) $\frac{x^2+y^2}{x+y}$ (D) $\frac{xy}{x+y}$
120. A tabulator while calculating the average marks of 100 students of an examination, by mistake enters 68, instead of 86 and obtained the average as 58; the actual average marks of those students is
 (A) 58.18 (B) 57.82
 (C) 58.81 (D) 57.28

SPACE FOR ROUGH WORK