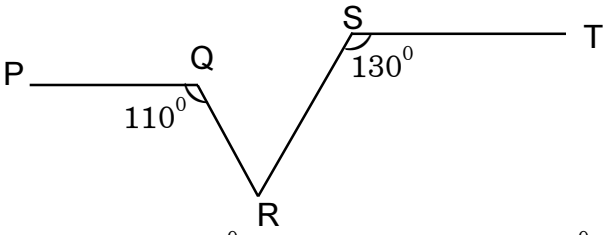


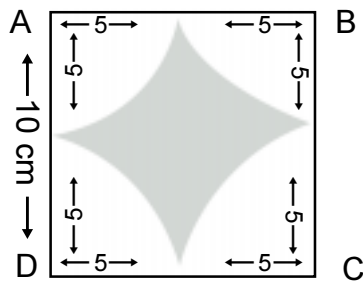
MATHS

126. If $\sqrt{6+\sqrt{6+\sqrt{6+\dots}}} = x$ and $\sqrt{20-\sqrt{20-\sqrt{20-\dots}}} = y$ then $x+y = \dots$ ()
 (A) 4 (B) 6 (C) 7 (D) 10
127. The number of diagonal of a regular polygon having 20 sides ()
 (A) 190 (B) 170 (C) 150 (D) 130
128. At What time between 9'0 Clock and 10.0 clock will the hands of a watch be together ()
 (A) 9 hours $47\frac{1}{11}$ min. (B) 9 hours $48\frac{1}{11}$ min.
 (C) 9 hours $49\frac{1}{11}$ min. (D) 9 hours $50\frac{1}{11}$ min.
129. $\left(2-\frac{1}{3}\right)\left(2-\frac{3}{5}\right)\left(2-\frac{5}{7}\right)\dots\dots\dots\left(2-\frac{997}{999}\right)$ is ()
 (A) 1 (B) $\frac{997}{999}$ (C) 0 (D) $\frac{1001}{3}$
130. Mean of 10 observations is 32, By doing so, if one observation 52 is mistaken for 25.
 Find the correct mean ()
 (A) 29.3 (B) 30 (C) 25.3 (D) 26.5
131. The length of rectangle is increased by 20% and the width is decreased by 20%.
 Then the percent value by which area changes ()
 (A) No Change (B) 4% decrease (C) 4% increase (D) 8% decrease
132. In the adjacent figure $PQ \parallel ST$,
 $\angle PQR = 110^\circ$ and $\angle RST = 130^\circ$
 then $\angle QRS =$ ()
 (A) 45° (B) 50° (C) 55° (D) 60°
- 
133. If a man runs at 3 metres per second, how many Kilometres does he run in
 1 hour 40 minutes ()
 (A) 25 Km (B) 20 Km (C) 18 Km (D) 15 Km
134. The sum of two numbers is 528 and their HCF is 33. The number of pairs of
 such numbers satisfying the above condition is ()
 (A) 6 (B) 12 (C) 8 (D) 4
135. If a cube of side 15 cm is cut into cubes each of side 3 cm then the number of
 small cubes ()
 (A) 27 (B) 225 (C) 125 (D) 45
136. A sum of money at simple interest amounts to Rs.2240 in 2 years and to Rs.2600
 in years. Then the principle amount ()
 (A) Rs.2000 (B) Rs.1800 (C) Rs.1900 (D) Rs.1950

137. ABCD is a square.

Then the area of

shaded region.



()

- (A) 80 Cm^2 (B) $100-25\pi \text{ Cm}^2$ (C) $100-5\pi \text{ Cm}^2$ (D) 75 Cm^2

138. If $\frac{a}{2b} = \frac{3}{2}$ then the value of $\frac{2a+b}{a-2b}$ is ()

- (A) $\frac{7}{4}$ (B) $\frac{1}{7}$ (C) 7 (D) None of these

139. The cost price of 12 articles is equal to selling price of 9 articles. Then the gain percent ()

- (A) $33\frac{1}{3}\%$ (B) 20% (C) 25% (D) $32\frac{2}{3}\%$

140. If $\left(\frac{1}{5}\right)^{3x} = 0.008$ then the value of $(0.25)^x$ ()

- (A) 1 (B) 0.04 (C) 0.5 (D) 0.25

141. The Value of $\frac{1}{2 + \frac{1}{2 + \frac{1}{2 - \frac{1}{2}}}}$ is ()

- (A) $\frac{4}{9}$ (B) $\frac{8}{19}$ (C) $\frac{4}{18}$ (D) $\frac{8}{21}$

142. A trader marks his goods 20% above the cost price and allows a discount of 15% on it. Find his gain percent ()

- (A) 5% (B) 4% (C) 3% (D) 2%

143. If $2A = 3B = 4C$ then $A : B : C$ is ()

- (A) 4 : 3 : 2 (B) 2 : 3 : 4 (C) 6 : 4 : 3 (D) 3 : 4 : 6

144. The unit's digit in the product $7^{71} \times 6^{59} \times 3^{65}$ ()

- (A) 4 (B) 6 (C) 1 (D) 5

145. If $1 - x^8 = 65$ and $1 - x^4 = 64$ then the value of x ()

- (A) $\pm 2\sqrt{2}$ (B) $\pm\sqrt{2}$ (C) $\pm\frac{1}{\sqrt{2}}$ (D) $\pm\frac{1}{2\sqrt{2}}$

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