

101. If the angles of a triangle are in the ratio 5 : 4 : 3, then the angles are :

- (1) 50, 40, 30 (2) 60, 80, 40
(3) 50, 60, 70 (4) 75, 60, 45

102. Which one of the following is not the sides of a triangle ?

- (1) 2, 2, 5 (2) 3, 3, 5
(3) 4, 4, 5 (4) 2, 2, 3

103. The y -coordinate of all points on x -axis are :

- (1) 1 (2) 0
(3) 2 (4) 3

104. If (x, y) lies in the first quadrant then $(x, -y)$ lies in the quadrant :

- (1) III (2) II
(3) I (4) IV

105. The number of even prime numbers is :

- (1) 0
(2) 2
(3) 1
(4) more than 2

106. If the multiplicative inverse of a number is the number itself, then the number is/are :

- (1) 1 and -1 (2) 1 only
(3) -1 only (4) 0

107. If the length of a longest chord of a circle is 14 cm, then the ratio of its circumference to area, is :

- (1) 7 : 2 (2) 1 : 2
(3) 2 : 7 (4) 2 : 1

108. Which one of the following statement is **incorrect** ?

- (1) a square is a rectangle
(2) a rectangle is a parallelogram
(3) a square is a rhombus
(4) the diagonals of a parallelogram are always equal

109. Which one of the following is **not** a rational number ?

- (1) 0 (2) $\frac{1}{2}$
(3) $\sqrt{3}$ (4) $-\frac{1}{2}$

110. If twice of one-third of one-fifth of a number is 6, then the number is :

- (1) 90 (2) 45
(3) 180 (4) 360