

26. If \square persons: 10 persons=7000 paise: Rs.100, then \square means

- A) 5 B) 6 C) 7 D) 8

27. If the area of a rectangle is equal to the area of a square and length of the rectangle is equal to the perimeter of the square then the breadth of rectangle is _____

- A) Side $\div 2$ B) (Side)² $\div 2$ C) Side $\div 4$ D) 4side

28. How many different rectangles with integral measurement can be drawn with perimeter 32cm?

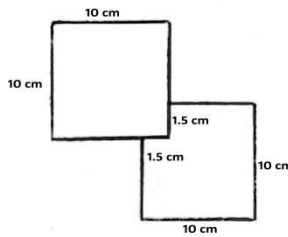
- A) 7 B) 6 C) 8 D) 9

29. Two fields have the same perimeter. One is a square of side 72m and another is a rectangle of length 80m. Find the difference of the area of square field and rectangle field is. _____

- A) 10,304 sq.m B) 64 sq.m C) 5120 sq.m D) 5184 sq.m

30. Find the perimeter of the given figure.

- A) 80 cm B) 70 cm
C) 72 cm D) 77 cm



31. The length of a rectangle is $\left(\frac{3}{4}\right)^{th}$ of its breadth. If its perimeter is 126m, then its area will be ___

- A) 972 m² B) 640 m² C) 840 m² D) 954 m²

32. An angle of 75° is drawn using a pair of compass and ruler by bisecting angles _____

- A) 60° and 45° B) 60° and 90° C) 0° and 90° D) 120° and 180°

33. If 480 glasses are bought at the rate of Rs. 16 each and 432 glasses are sold at rate of Rs. 24 each. Find the overall profit/loss%.

- A) 40% profit B) 35% profit C) 25% profit D) 66.6% profit

34. A shopkeeper sold a phone at a loss of 7%, had he sold it for Rs. 28 more, he would have gained 21%. Find the cost price of phone.

- A) Rs. 100 B) Rs. 200 C) Rs. 150 D) Rs. 50

35. Find the loss or gain as percent. If the cost price of 10 articles, all of the same kind is equal to selling price of 8 articles.

- A) 24% B) 20½% C) 25% D) 50%

36. Find the principal, if the interest earned in 3 years at 5% per annum is Rs.300?

- A) Rs. 3000 B) Rs. 2500 C) Rs. 2000 D) Rs.1500

37. A sum of money doubles itself in 8 years, what is rate of interest?

- A) 10% B) 8% C) 12% D) 12.5%

38. Nalini borrowed Rs.550 from her friend at 8% per annum. She returned the amount after 6 months, how much did she pay?

- A) Rs. 575 B) Rs. 572 C) Rs. 550 D) Rs. 565

39. Sumit constructed an angle of 90° and trisected it. Measure of two angles taken together will be

- A) 20° B) 40° C) 60° D) None of these

Q (40-42) The pictograph shows different subject books which are kept in a library. Observe the pictograph and answer the following questions.

Subject	Number of Books
Hindi	
English	
History	
Science	
Maths	
1 = 100 Books	

40. How many English books are there in the library?
 A) 800 B) 700
 C) 500 D) 600
41. How many total books are there in library?
 A) 23 B) 2300 C) 2000 D) 230
42. Which subject books are minimum and maximum in the library?
 A) Maths, English B) English, Maths C) English, History D) History, English.

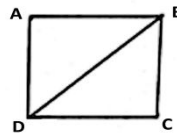
Q (43-44) The marks obtained out of 10 by 28 students in a mathematics test are listed as below.

8, 1, 2, 6, 5, 5, 0, 1, 9, 7, 8, 0, 5, 8,
 3, 0, 8, 10, 10, 3, 4, 8, 7, 8, 9, 2, 0, 1

43. The number of students who obtained marks more than or equal to 5 is
 A) 13 B) 16 C) 12 D) 10
44. Which mark maximum number of students received?
 A) 9 B) 0 C) 10 D) 8
45. The region bounded by chord and minor arc of a circle is called _____
 A) minor segment B) major arc C) major segment D) semi circle

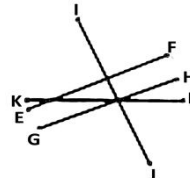
46. In the given figure, there are _____ angles.

- A) 4 B) 8
 C) 6 D) 10



47. Ragav drew the line segments shown here on a piece of paper. Which of the following pairs of line segments appears to be perpendicular?

- A) \overline{GH} and \overline{KL} B) \overline{GH} and \overline{IJ}
 C) \overline{EF} and \overline{KL} D) \overline{EF} and \overline{GH}



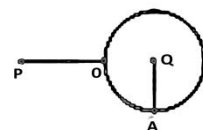
48. State True or False.

- A. Two distinct lines meeting at a point are called concurrent lines.
 B. The centre of a circle is always in its interior.
 C. A line has no end points.

- | | | |
|------|---|---|
| A | B | C |
| A) F | T | F |
| B) F | T | T |
| C) T | F | F |
| D) T | T | T |

49. If "O" is a point on the circle and "P" is a point in the exterior of the circle. Length of $\overline{OP} = 7.5$ cm and radius of the circle is 5.5 cm. What will be the length of \overline{QP} if Q is the centre?

- A) 5.5 cm B) 13 cm
 C) 7.5 cm D) 13.5 cm



50. The given diagram shows the students who picked their favorite colour. What is the fraction of students having their favorite colour red to the total number of students?

- A) $\frac{8}{20}$ B) $\frac{4}{20}$ C) $\frac{2}{20}$ D) $\frac{6}{20}$

