

36. Leela is Radha's younger sister. Leela is 4 years younger than Radha. Write Leela's age in terms of Radha's age? Take Radha's age to be y years.

Or

The length of a rectangular hall is 4 metres less than 3 times the breadth of the hall. What is the length, if the breadth is b meters?

37. Divide 20 pens between Sheela and Sangeeta in the ratio 3:2.

38. Anish made 42 runs in 6 overs and Anup made 63 runs in 7 overs. Who made more runs per over?

39. A floor is 5m long and 4m wide. A square carpet of side 3m is laid on the floor. Find the area of the floor that is not carpeted.

40. Draw an angle of measure 147° and construct its bisector.

Or

Draw a circle with centre C and radius 3.4cm. Draw any chord \overline{AB} . Construct the perpendicular bisector of \overline{AB} and examine if it passes through C .



Time – 3 Hrs.

MM – 80

General Instructions-

1. All questions are compulsory.
2. The question paper consists of 40 questions divided into four sections – A,B,C,D.
3. Section A contains 20 questions of 1 mark each which are multiple choice questions, Section B contains 6 questions of 2 marks each, Section C contains 8 questions of 3 marks each, and Section D contains 6 questions of 4 marks each.

SECTION - A

I (A) Each question carry one mark:

1. Six hundred twenty four, seven tenths is written as _____
(a) 624.07 (b) 62.47 (c) 6.247 (d) 624.7
2. The numerical coefficient of pqr is _____
(a) pq (b) qr (c) pr (d) 1
3. The equality of two ratios is called _____
(a) Proportion (b) Preposition (c) Portion (d) None
4. Area of rectangle is _____
(a) Length x Breadth (b) $2(L+B)$ (c) $4 \times \text{side}$ (d) Side x Side
5. Product of means = Product of _____
(a) Extremes (b) Terms (c) Ratio (d) Proportion
6. A triangle whose all sides are equal is called _____
(a) A scalene triangle (b) An isosceles triangle
(c) An equilateral triangle (d) Reflex angle
7. Decimals having different number of decimal places are called _____
(a) like decimal (b) unlike decimal (c) Number line (d) None
8. The sum of the lengths of all sides of a closed figure is called its _____
(a) Area (b) Perimeter (c) Volume (d) Square.
9. An angle of 360° is called a _____
(a) Complete angle (b) Right angle (c) Reflex angle (d) Straight angle

10. The unit of ratio is expressed in _____
(a) meter (b) gram (c) litre (d) None

I (B) Fill in the blanks

11. The lowest form of the ratio 70 paise to Rs. 70 = _____
12. Every decimal number can be represented on _____ .
13. Perimeter of regular hexagon = _____
14. The diameter of a circle is _____ the radius of that circle.
15. The magnitude of a plane region is called its _____ .

I (C) Solve the following

16. Define ratio.
17. Write the decimal in words- 1.20 .
18. Give expression for 7 subtracted from p.
19. Write the commutative property for addition of two numbers.
20. Write as fraction in lowest terms 0.04.

SECTION – B

Each question carry two marks:

21. Take Kavita's present age to be x years
(a) What will be her age 5 years from now?
(b) What was her age 2 years back?
22. Express as km using decimals- 70km 5m.
23. Find the sum- $0.007+8.5+30.08$
Or
Find the value of $9.756 - 6.28$
24. Find the solution to the equation $m+10=16$.

25. Find the ratio of 81 to 108.
26. Construct a line segment of length 5.6 cm using ruler and compass.

SECTION – C

Each question carry three marks:

27. Roshini spent Rs. 35.75 for Science book and Rs. 32.60 for English book. Find the total amount spent by Roshini.
28. Find the perimeter of a regular pentagon with each side measuring 3 cm.
Or
Two sides of a triangle are 12cm and 14cm. The perimeter of the triangle is 36 cm. What is its third side?
29. Mother has made laddus. She gives some laddus to guests and family members, still 6 laddus remain. If the number of laddus mother gave away is x how many laddus did she make?
30. There are 102 teachers in a school of 3300 students. Find the ratio of the number of teacher to the number of students.
31. Are 30, 40, 45 and 60 in proportion?
32. If the cost of 6 cans of juice is Rs. 210, Then what will be the cost of 4 cans of juice?

Or

- Ekta earns Rs. 1500 in 10 days. How much will she earn in 30 days?
33. Kiran has Rs. 7.40. She bought toffees for Rs. 5.30. Find the balance amount left with Kiran.
34. Find the cost of fencing a square park of side 250 m at rate of 20 per meter.

SECTION – D

Each question carry four marks:

35. Bob want to cover the floor of a room 3m wide and 4m long by squared tiles. If each square tile is of side 0.5m, then find the number of tiles required to cover the floor of the room.