EduSahara™ Assignment

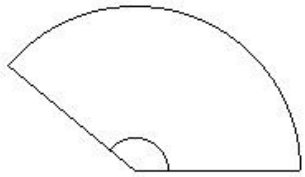
Name : Areas of Sectors

Chapter : Area Related to Circles

Grade : CBSE Grade X

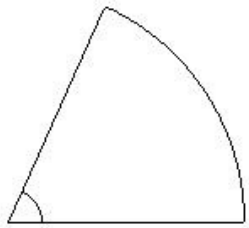
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1. If the radius of a circle is 10.00 cm and the angle subtended at the center by the arc of a sector is 140.00°, the length of the arc of the sector is



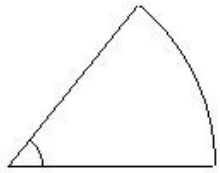
(i) 24.45 cm (ii) 29.45 cm (iii) 19.45 cm (iv) 27.45 cm (v) 21.45 cm

2. If the radius of a circle is 14.00 cm and the angle subtended at the center by the arc of a sector is 66.00°, the area of the sector is



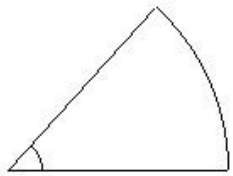
(i) 124.93 sq.cm (ii) 136.93 sq.cm (iii) 87.93 sq.cm (iv) 99.93 sq.cm (v) 112.93 sq.cm

3. If the radius of a circle is 12.00 cm and the angle subtended at the center by the arc of a sector is 51.00°, the perimeter of the sector is



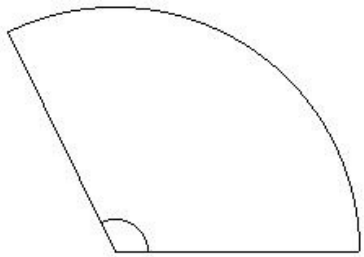
(i) 37.69 cm (ii) 34.69 cm (iii) 31.69 cm (iv) 29.69 cm (v) 39.69 cm

4. If the radius of a circle is 13.00 cm and the angle subtended at the center by the arc of a sector is 48.00°, the area of the circle is



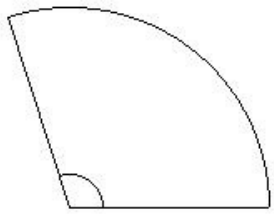
(i) 557.14 sq.cm (ii) 531.14 sq.cm (iii) 524.14 sq.cm (iv) 549.14 sq.cm (v) 507.14 sq.cm

5. If the radius of a circle is 15.00 cm and the angle subtended at the center by the arc of a sector is 116.00°, the perimeter of the circle is



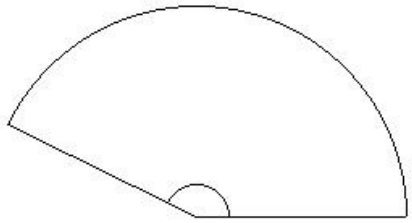
(i) 91.29 cm (ii) 97.29 cm (iii) 94.29 cm (iv) 99.29 cm (v) 89.29 cm

6. If the radius of a circle is 12.00 cm and the length of the arc of a sector is 22.63 cm, the angle subtended at the center by the arc of the sector is



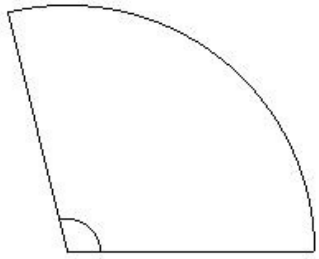
(i) 135.00° (ii) 108.00° (iii) 94.00° (iv) 113.00°

7. If the radius of a circle is 13.00 cm and the length of the arc of a sector is 34.95 cm, the area of the sector is



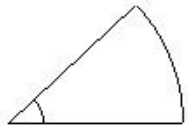
(i) 227.21 sq.cm (ii) 200.21 sq.cm (iii) 223.21 sq.cm (iv) 240.21 sq.cm (v) 245.21 sq.cm

8. If the radius of a circle is 15.00 cm and the length of the arc of a sector is 27.24 cm, the perimeter of the sector is



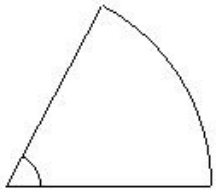
(i) 57.24 cm (ii) 62.24 cm (iii) 52.24 cm (iv) 54.24 cm (v) 60.24 cm

9. If the radius of a circle is 10.00 cm and the length of the arc of a sector is 7.51 cm, the area of the circle is



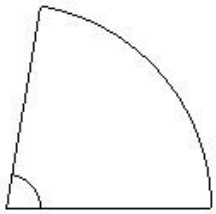
(i) 314.29 sq.cm (ii) 292.29 sq.cm (iii) 328.29 sq.cm (iv) 309.29 sq.cm (v) 331.29 sq.cm

10. If the radius of a circle is 12.00 cm and the length of the arc of a sector is 12.99 cm, the perimeter of the circle is



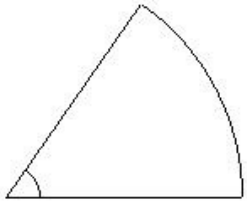
(i) 75.43 cm (ii) 78.43 cm (iii) 70.43 cm (iv) 72.43 cm (v) 80.43 cm

11. If the radius of a circle is 12.00 cm and the area of a sector is 100.57 sq.cm, the angle subtended at the center by the arc of the sector is



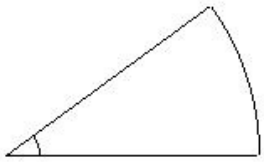
(i) 77.00° (ii) 75.00° (iii) 83.00° (iv) 85.00° (v) 80.00°

12. If the radius of a circle is 14.00 cm and the area of a sector is 94.11 sq.cm, the length of the arc of the sector is



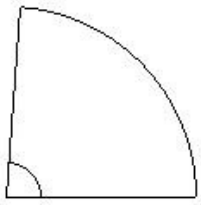
(i) 10.44 cm (ii) 13.44 cm (iii) 16.44 cm (iv) 8.44 cm (v) 18.44 cm

13. If the radius of a circle is 15.00 cm and the area of a sector is 70.71 sq.cm, the perimeter of the sector is



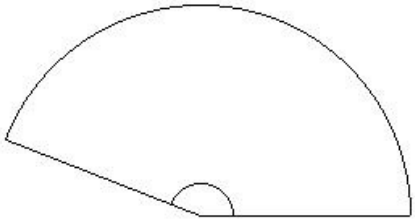
(i) 42.43 cm (ii) 44.43 cm (iii) 39.43 cm (iv) 36.43 cm (v) 34.43 cm

14. If the radius of a circle is 11.00 cm and the area of a sector is 90.85 sq.cm, the area of the circle is



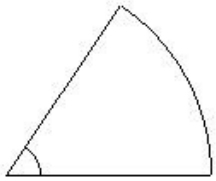
(i) 376.29 sq.cm (ii) 380.29 sq.cm (iii) 383.29 sq.cm (iv) 395.29 sq.cm (v) 352.29 sq.cm

15. If the radius of a circle is 13.00 cm and the area of a sector is 234.59 sq.cm, the perimeter of the circle is



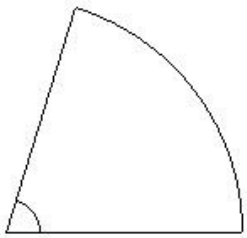
(i) 84.71 cm (ii) 78.71 cm (iii) 76.71 cm (iv) 86.71 cm (v) 81.71 cm

16. If the radius of a circle is 12.00 cm and the perimeter of a sector is 35.73 cm, the angle subtended at the center by the arc of the sector is



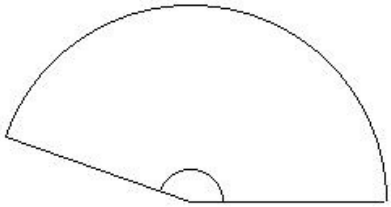
(i) 51.00° (ii) 53.00° (iii) 56.00° (iv) 61.00° (v) 59.00°

17. If the radius of a circle is 14.00 cm and the perimeter of a sector is 45.84 cm, the length of the arc of the sector is



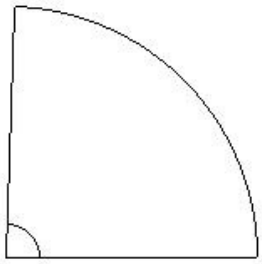
(i) 14.84 cm (ii) 20.84 cm (iii) 12.84 cm (iv) 22.84 cm (v) 17.84 cm

18. If the radius of a circle is 12.00 cm and the perimeter of a sector is 57.73 cm, the area of the sector is



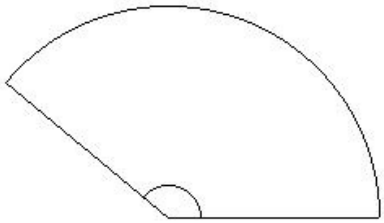
(i) 189.40 sq.cm (ii) 214.40 sq.cm (iii) 188.40 sq.cm (iv) 230.40 sq.cm (v) 202.40 sq.cm

19. If the radius of a circle is 15.00 cm and the perimeter of a sector is 53.05 cm, the area of the circle is



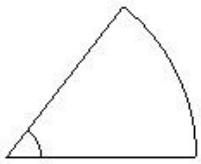
(i) 689.14 sq.cm (ii) 685.14 sq.cm (iii) 720.14 sq.cm (iv) 711.14 sq.cm (v) 707.14 sq.cm

20. If the radius of a circle is 13.00 cm and the perimeter of a sector is 57.78 cm, the perimeter of the circle is



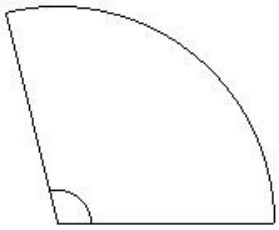
(i) 76.71 cm (ii) 86.71 cm (iii) 84.71 cm (iv) 78.71 cm (v) 81.71 cm

21. If the area of a sector of a circle is 54.93 sq.cm and the angle subtended at the center by the arc of the sector is 52.00°, the radius of the circle is



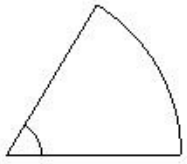
(i) 14.00 cm (ii) 11.00 cm (iii) 16.00 cm (iv) 8.00 cm (v) 6.00 cm

22. If the area of a sector of a circle is 153.44 sq.cm and the angle subtended at the center by the arc of the sector is 104.00°, the length of the arc of the sector is



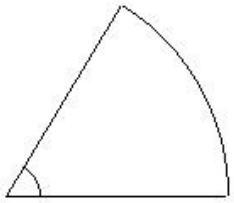
(i) 28.61 cm (ii) 26.61 cm (iii) 23.61 cm (iv) 18.61 cm (v) 20.61 cm

23. If the area of a sector of a circle is 51.51 sq.cm and the angle subtended at the center by the arc of the sector is 59.00°, the perimeter of the sector is



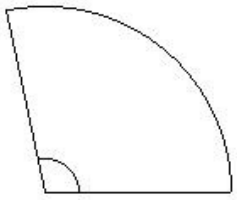
(i) 35.30 cm (ii) 33.30 cm (iii) 25.30 cm (iv) 30.30 cm (v) 27.30 cm

24. If the area of a sector of a circle is 87.05 sq.cm and the angle subtended at the center by the arc of the sector is 59.00°, the area of the circle is



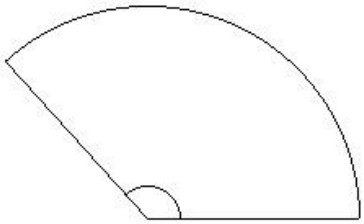
(i) 531.14 sq.cm (ii) 529.14 sq.cm (iii) 534.14 sq.cm (iv) 513.14 sq.cm (v) 546.14 sq.cm

25. If the area of a sector of a circle is 107.75 sq.cm and the angle subtended at the center by the arc of the sector is 102.00°, the perimeter of the circle is



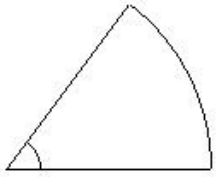
(i) 72.14 cm (ii) 69.14 cm (iii) 74.14 cm (iv) 66.14 cm (v) 64.14 cm

26. If the area of a sector of a circle is 194.75 sq.cm and the length of the arc of the sector is 29.96 cm, the radius of the circle is



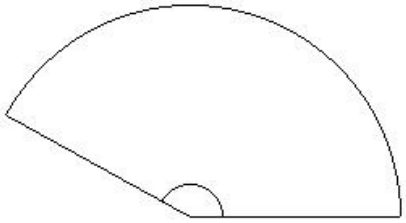
(i) 13.00 cm (ii) 8.00 cm (iii) 16.00 cm (iv) 18.00 cm (v) 10.00 cm

27. If the area of a sector of a circle is 66.63 sq.cm and the length of the arc of the sector is 11.10 cm, the angle subtended at the center by the arc of the sector is



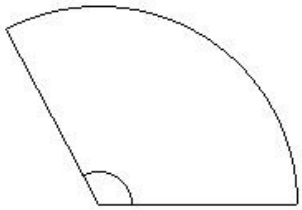
(i) 48.00° (ii) 56.00° (iii) 53.00° (iv) 50.00° (v) 58.00°

28. If the area of a sector of a circle is 222.78 sq.cm and the length of the arc of the sector is 34.27 cm, the perimeter of the sector is



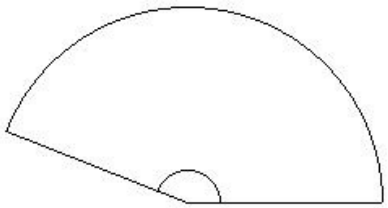
(i) 63.27 cm (ii) 55.27 cm (iii) 57.27 cm (iv) 65.27 cm (v) 60.27 cm

29. If the area of a sector of a circle is 148.34 sq.cm and the length of the arc of the sector is 24.72 cm, the area of the circle is



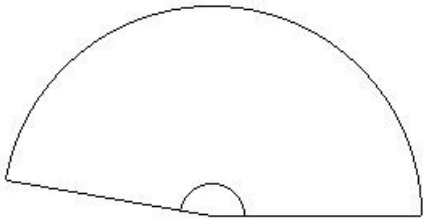
(i) 452.57 sq.cm (ii) 456.57 sq.cm (iii) 438.57 sq.cm (iv) 440.57 sq.cm (v) 477.57 sq.cm

30. If the area of a sector of a circle is 198.63 sq.cm and the length of the arc of the sector is 33.11 cm, the perimeter of the circle is



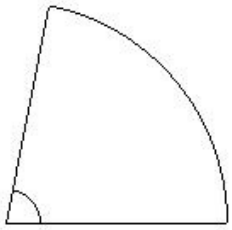
(i) 80.43 cm (ii) 78.43 cm (iii) 70.43 cm (iv) 72.43 cm (v) 75.43 cm

31. If the area of a sector of a circle is 250.82 sq.cm and the area of the circle is 531.14 sq.cm, the radius of the circle is



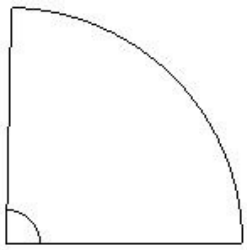
(i) 10.00 cm (ii) 13.00 cm (iii) 16.00 cm (iv) 8.00 cm (v) 18.00 cm

32. If the area of a sector of a circle is 116.56 sq.cm and the area of the circle is 531.14 sq.cm, the angle subtended at the center by the arc of the sector is



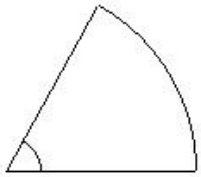
(i) 76.00° (ii) 79.00° (iii) 84.00° (iv) 82.00° (v) 74.00°

33. If the area of a sector of a circle is 152.29 sq.cm and the area of the circle is 616.00 sq.cm, the length of the arc of the sector is



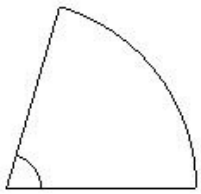
(i) 24.76 cm (ii) 26.76 cm (iii) 16.76 cm (iv) 18.76 cm (v) 21.76 cm

34. If the area of a sector of a circle is 64.44 sq.cm and the area of the circle is 380.29 sq.cm, the perimeter of the sector is



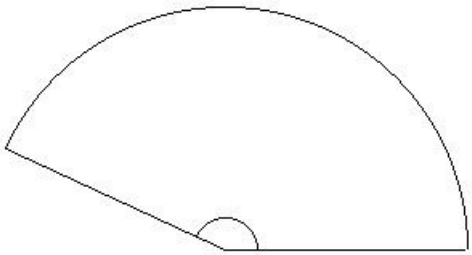
(i) 30.72 cm (ii) 36.72 cm (iii) 33.72 cm (iv) 28.72 cm (v) 38.72 cm

35. If the area of a sector of a circle is 78.17 sq.cm and the area of the circle is 380.29 sq.cm, the perimeter of the circle is



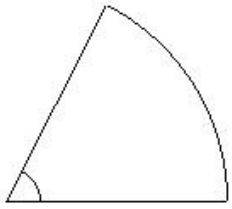
(i) 69.14 cm (ii) 72.14 cm (iii) 66.14 cm (iv) 74.14 cm (v) 64.14 cm

36. If the length of the arc of a sector is 40.60 cm and the angle subtended at the center by the arc of the sector is 155.00°, the radius of the circle is



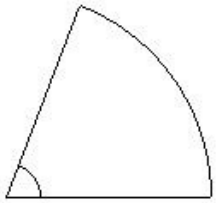
(i) 15.00 cm (ii) 20.00 cm (iii) 18.00 cm (iv) 10.00 cm (v) 12.00 cm

37. If the length of the arc of a sector is 14.30 cm and the angle subtended at the center by the arc of the sector is 63.00°, the area of the sector is



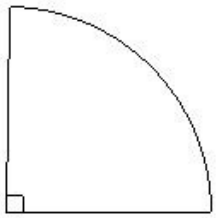
(i) 97.95 sq.cm (ii) 87.95 sq.cm (iii) 92.95 sq.cm (iv) 89.95 sq.cm (v) 95.95 sq.cm

38. If the length of the arc of a sector is 14.46 cm and the angle subtended at the center by the arc of the sector is 69.00°, the perimeter of the sector is



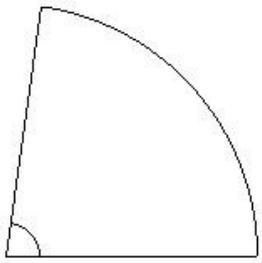
(i) 33.46 cm (ii) 43.46 cm (iii) 35.46 cm (iv) 38.46 cm (v) 41.46 cm

39. If the length of the arc of a sector is 18.65 cm and the angle subtended at the center by the arc of the sector is 89.00°, the perimeter of the circle is



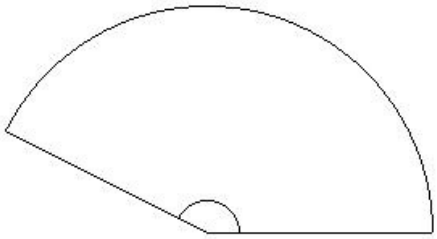
(i) 70.43 cm (ii) 78.43 cm (iii) 80.43 cm (iv) 72.43 cm (v) 75.43 cm

40. If the length of the arc of a sector is 21.48 cm and the area of the circle is 707.14 sq.cm, the radius of the circle is



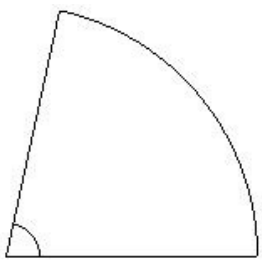
(i) 10.00 cm (ii) 18.00 cm (iii) 20.00 cm (iv) 15.00 cm (v) 12.00 cm

41. If the length of the arc of a sector is 37.40 cm and the area of the circle is 616.00 sq.cm, the angle subtended at the center by the arc of the sector is



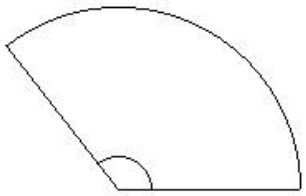
(i) 139.00° (ii) 165.00° (iii) 148.00° (iv) 153.00° (v) 166.00°

42. If the length of the arc of a sector is 20.43 cm and the area of the circle is 707.14 sq.cm, the area of the sector is



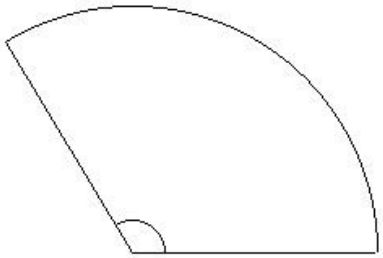
(i) 161.21 sq.cm (ii) 178.21 sq.cm (iii) 153.21 sq.cm (iv) 130.21 sq.cm (v) 136.21 sq.cm

43. If the length of the arc of a sector is 24.58 cm and the area of the circle is 380.29 sq.cm, the perimeter of the sector is



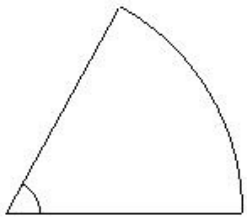
(i) 51.58 cm (ii) 43.58 cm (iii) 41.58 cm (iv) 49.58 cm (v) 46.58 cm

44. If the length of the arc of a sector is 31.69 cm and the area of the circle is 707.14 sq.cm, the perimeter of the circle is



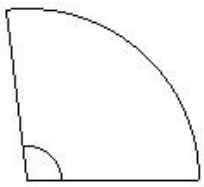
(i) 91.29 cm (ii) 89.29 cm (iii) 99.29 cm (iv) 97.29 cm (v) 94.29 cm

45. If the length of the arc of a sector is 14.91 cm and the perimeter of the circle is 88.00 cm, the radius of the circle is



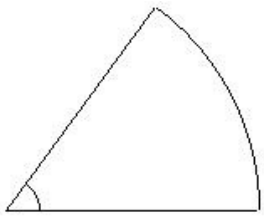
(i) 17.00 cm (ii) 14.00 cm (iii) 9.00 cm (iv) 19.00 cm (v) 11.00 cm

46. If the length of the arc of a sector is 16.94 cm and the perimeter of the circle is 62.86 cm, the angle subtended at the center by the arc of the sector is



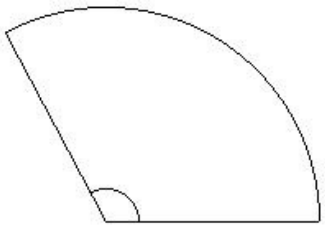
(i) 102.00° (ii) 97.00° (iii) 100.00° (iv) 92.00° (v) 94.00°

47. If the length of the arc of a sector is 14.14 cm and the perimeter of the circle is 94.29 cm, the area of the sector is



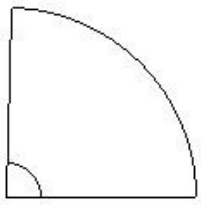
(i) 121.07 sq.cm (ii) 108.07 sq.cm (iii) 106.07 sq.cm (iv) 99.07 sq.cm (v) 79.07 sq.cm

48. If the length of the arc of a sector is 26.78 cm and the perimeter of the circle is 81.71 cm, the perimeter of the sector is



(i) 52.78 cm (ii) 57.78 cm (iii) 49.78 cm (iv) 47.78 cm (v) 55.78 cm

49. If the length of the arc of a sector is 16.90 cm and the perimeter of the circle is 69.14 cm, the area of the circle is



(i) 402.29 sq.cm (ii) 384.29 sq.cm (iii) 380.29 sq.cm (iv) 352.29 sq.cm (v) 367.29 sq.cm

Assignment Key

1) (i)	2) (v)	3) (ii)	4) (ii)	5) (iii)	6) (ii)
7) (i)	8) (i)	9) (i)	10) (i)	11) (v)	12) (ii)
13) (iii)	14) (ii)	15) (v)	16) (iii)	17) (v)	18) (v)
19) (v)	20) (v)	21) (ii)	22) (iii)	23) (iv)	24) (i)
25) (ii)	26) (i)	27) (iii)	28) (v)	29) (i)	30) (v)
31) (ii)	32) (ii)	33) (v)	34) (iii)	35) (i)	36) (i)
37) (iii)	38) (iv)	39) (v)	40) (iv)	41) (iv)	42) (iii)
43) (v)	44) (v)	45) (ii)	46) (ii)	47) (iii)	48) (i)
49) (iii)					

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