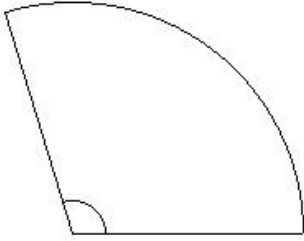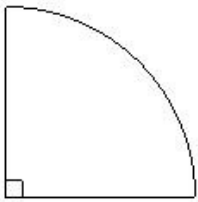1. If the radius of a circle is 14.00 cm and the angle subtended at the center by the arc of a sector is 107.00°, the length of the arc of the sector is
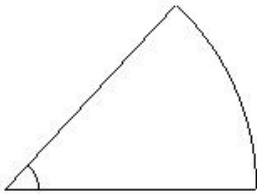
(i) 26.16 cm   (ii) 31.16 cm   (iii) 23.16 cm   (iv) 21.16 cm   (v) 29.16 cm

2. If the radius of a circle is 11.00 cm and the angle subtended at the center by the arc of a sector is 90.00°, the area of the sector is
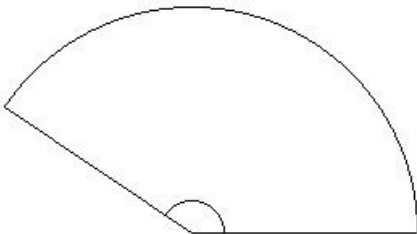
(i) 100.07 sq.cm   (ii) 98.07 sq.cm   (iii) 95.07 sq.cm   (iv) 90.07 sq.cm   (v) 92.07 sq.cm

3. If the radius of a circle is 15.00 cm and the angle subtended at the center by the arc of a sector is 47.00°, the perimeter of the sector is
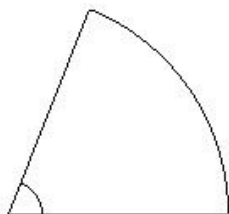
(i) 42.31 cm   (ii) 45.31 cm   (iii) 37.31 cm   (iv) 47.31 cm   (v) 39.31 cm

4. If the radius of a circle is 14.00 cm and the angle subtended at the center by the arc of a sector is 146.00°, the area of the circle is

(i) 591.00 sq.cm   (ii) 629.00 sq.cm   (iii) 600.00 sq.cm   (iv) 618.00 sq.cm   (v) 616.00 sq.cm

5. If the radius of a circle is 13.00 cm and the angle subtended at the center by the arc of a sector is 68.00°, the perimeter of the circle is
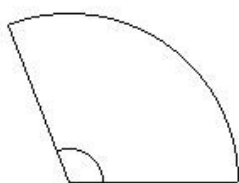
(i) 81.71 cm (ii) 84.71 cm (iii) 86.71 cm (iv) 78.71 cm (v) 76.71 cm

6. If the radius of a circle is 13.00 cm and the length of the arc of a sector is 8.17 cm, the angle subtended at the center by the arc of the sector is
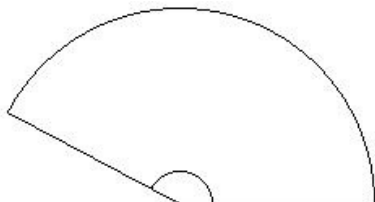
(i) 36.00° (ii) 31.00° (iii) 41.00° (iv) 33.00° (v) 39.00°

7. If the radius of a circle is 10.00 cm and the length of the arc of a sector is 19.38 cm, the area of the sector is
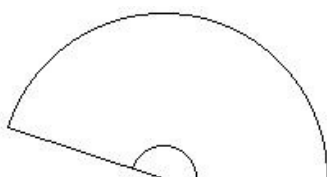
(i) 99.91 sq.cm (ii) 96.91 sq.cm (iii) 93.91 sq.cm (iv) 101.91 sq.cm (v) 91.91 sq.cm

8. If the radius of a circle is 12.00 cm and the length of the arc of a sector is 31.85 cm, the perimeter of the sector is
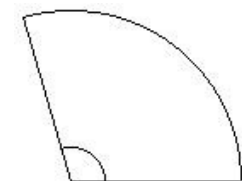
(i) 58.85 cm (ii) 52.85 cm (iii) 50.85 cm (iv) 60.85 cm (v) 55.85 cm

9. If the radius of a circle is 10.00 cm and the length of the arc of a sector is 28.29 cm, the area of the circle is
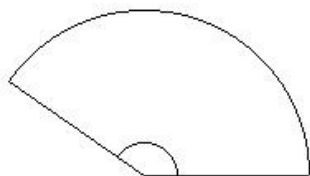
(i) 340.29 sq.cm (ii) 331.29 sq.cm (iii) 296.29 sq.cm (iv) 314.29 sq.cm (v) 308.29 sq.cm

10. If the radius of a circle is 10.00 cm and the length of the arc of a sector is 18.51 cm, the perimeter of the circle is

(i) 67.86 cm (ii) 65.86 cm (iii) 57.86 cm (iv) 59.86 cm (v) 62.86 cm

11. If the radius of a circle is 10.00 cm and the area of a sector is 126.59 sq.cm, the angle subtended at the center by the arc of the sector is
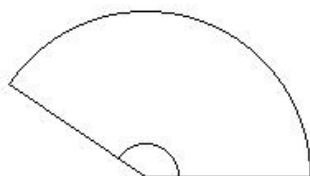
(i) 170.00° (ii) 141.00° (iii) 159.00° (iv) 145.00° (v) 127.00°

12. If the radius of a circle is 15.00 cm and the area of a sector is 66.79 sq.cm, the length of the arc of the sector is
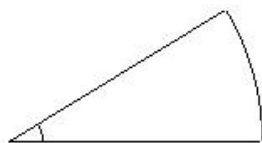
(i) 6.91 cm (ii) 10.91 cm (iii) 8.91 cm (iv) 7.91 cm (v) 9.91 cm

13. If the radius of a circle is 10.00 cm and the area of a sector is 127.46 sq.cm, the perimeter of the sector is

(i) 50.49 cm (ii) 48.49 cm (iii) 45.49 cm (iv) 42.49 cm (v) 40.49 cm

14. If the radius of a circle is 15.00 cm and the area of a sector is 60.89 sq.cm, the area of the circle is
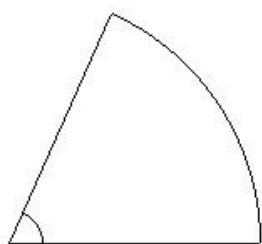
(i) 699.14 sq.cm (ii) 725.14 sq.cm (iii) 730.14 sq.cm (iv) 707.14 sq.cm (v) 694.14 sq.cm

15. If the radius of a circle is 10.00 cm and the area of a sector is 35.79 sq.cm, the perimeter of the circle is
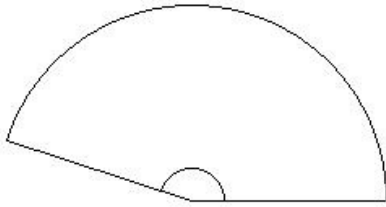
(i) 62.86 cm (ii) 67.86 cm (iii) 57.86 cm (iv) 65.86 cm (v) 59.86 cm

16. If the radius of a circle is 15.00 cm and the perimeter of a sector is 47.29 cm, the angle subtended at the center by the arc of the sector is
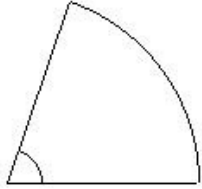
(i) 71.00° (ii) 66.00° (iii) 61.00° (iv) 69.00° (v) 63.00°

17. If the radius of a circle is 12.00 cm and the perimeter of a sector is 57.94 cm, the length of the arc of the sector is
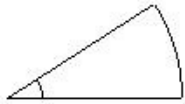
(i) 28.94 cm (ii) 30.94 cm (iii) 38.94 cm (iv) 33.94 cm (v) 36.94 cm

18. If the radius of a circle is 11.00 cm and the perimeter of a sector is 35.64 cm, the area of the sector is
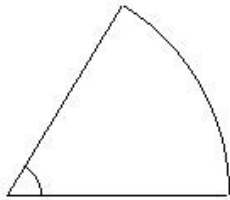
(i) 75.00 sq.cm (ii) 80.00 sq.cm (iii) 78.00 sq.cm (iv) 72.00 sq.cm (v) 70.00 sq.cm

19. If the radius of a circle is 10.00 cm and the perimeter of a sector is 25.76 cm, the area of the circle is
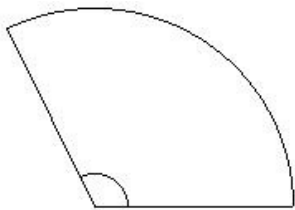
(i) 332.29 sq.cm (ii) 301.29 sq.cm (iii) 314.29 sq.cm (iv) 327.29 sq.cm (v) 309.29 sq.cm

20. If the radius of a circle is 13.00 cm and the perimeter of a sector is 39.39 cm, the perimeter of the circle is
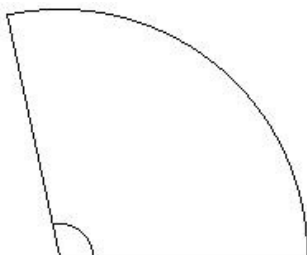
(i) 78.71 cm (ii) 84.71 cm (iii) 81.71 cm (iv) 86.71 cm (v) 76.71 cm

21. If the area of a sector of a circle is 145.83 sq.cm and the angle subtended at the center by the arc of the sector is 116.00°, the radius of the circle is
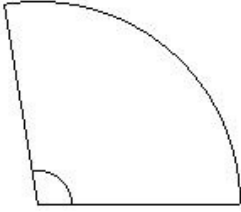
(i) 17.00 cm (ii) 15.00 cm (iii) 9.00 cm (iv) 12.00 cm (v) 7.00 cm

22. If the area of a sector of a circle is 200.36 sq.cm and the angle subtended at the center by the arc of the sector is 102.00°, the length of the arc of the sector is
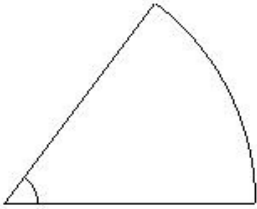
(i) 21.72 cm (ii) 26.72 cm (iii) 31.72 cm (iv) 23.72 cm (v) 29.72 cm

23. If the area of a sector of a circle is 125.71 sq.cm and the angle subtended at the center by the arc of the sector is 100.00°, the perimeter of the sector is
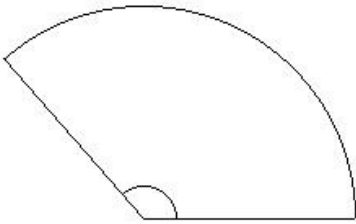

(i) 39.95 cm (ii) 47.95 cm (iii) 41.95 cm (iv) 49.95 cm (v) 44.95 cm

24. If the area of a sector of a circle is 104.11 sq.cm and the angle subtended at the center by the arc of the sector is 53.00°, the area of the circle is
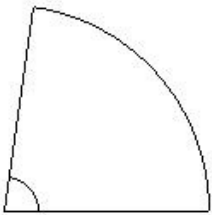

(i) 692.14 sq.cm (ii) 725.14 sq.cm (iii) 700.14 sq.cm (iv) 707.14 sq.cm (v) 729.14 sq.cm

25. If the area of a sector of a circle is 193.28 sq.cm and the angle subtended at the center by the arc of the sector is 131.00°, the perimeter of the circle is
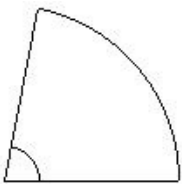

(i) 78.71 cm (ii) 86.71 cm (iii) 76.71 cm (iv) 84.71 cm (v) 81.71 cm

26. If the area of a sector of a circle is 103.09 sq.cm and the length of the arc of the sector is 17.18 cm, the radius of the circle is
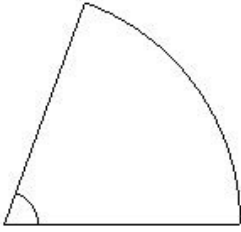

(i) 12.00 cm (ii) 9.00 cm (iii) 7.00 cm (iv) 17.00 cm (v) 15.00 cm

27. If the area of a sector of a circle is 68.97 sq.cm and the length of the arc of the sector is 13.79 cm, the angle subtended at the center by the arc of the sector is
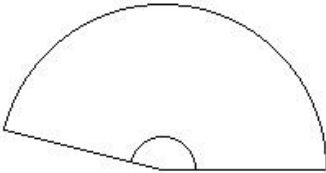

(i) 74.00° (ii) 84.00° (iii) 76.00° (iv) 82.00° (v) 79.00°

28. If the area of a sector of a circle is 119.78 sq.cm and the length of the arc of the sector is 17.11 cm, the perimeter of the sector is
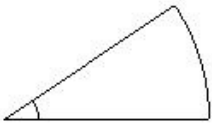

(i) 42.11 cm (ii) 48.11 cm (iii) 50.11 cm (iv) 40.11 cm (v) 45.11 cm

29. If the area of a sector of a circle is 144.92 sq.cm and the length of the arc of the sector is 28.99 cm, the area of the circle is
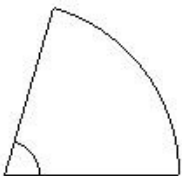

(i) 322.29 sq.cm (ii) 314.29 sq.cm (iii) 289.29 sq.cm (iv) 301.29 sq.cm (v) 330.29 sq.cm

30. If the area of a sector of a circle is 42.74 sq.cm and the length of the arc of the sector is 7.12 cm, the perimeter of the circle is
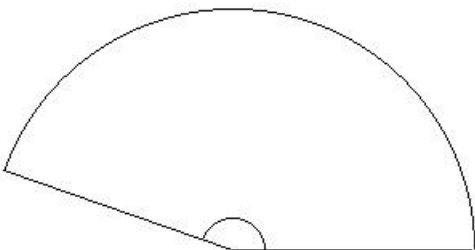

(i) 78.43 cm (ii) 75.43 cm (iii) 72.43 cm (iv) 80.43 cm (v) 70.43 cm

31. If the area of a sector of a circle is 64.60 sq.cm and the area of the circle is 314.29 sq.cm, the radius of the circle is
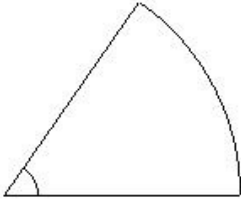

(i) 15.00 cm (ii) 5.00 cm (iii) 13.00 cm (iv) 7.00 cm (v) 10.00 cm

32. If the area of a sector of a circle is 316.25 sq.cm and the area of the circle is 707.14 sq.cm, the angle subtended at the center by the arc of the sector is
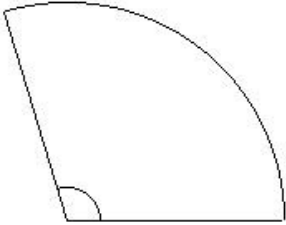

(i) 161.00° (ii) 175.00° (iii) 173.00° (iv) 144.00° (v) 149.00°

33. If the area of a sector of a circle is 94.11 sq.cm and the area of the circle is 616.00 sq.cm, the length of the arc of the sector is
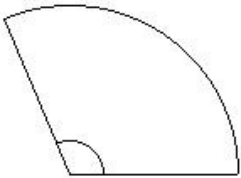

(i) 13.44 cm (ii) 10.44 cm (iii) 16.44 cm (iv) 18.44 cm (v) 8.44 cm

34. If the area of a sector of a circle is 157.87 sq.cm and the area of the circle is 531.14 sq.cm, the perimeter of the sector is
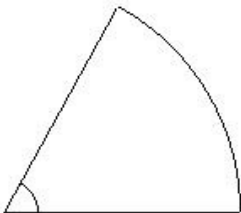

(i) 47.29 cm (ii) 55.29 cm (iii) 45.29 cm (iv) 53.29 cm (v) 50.29 cm

35. If the area of a sector of a circle is 98.65 sq.cm and the area of the circle is 314.29 sq.cm, the perimeter of the circle is
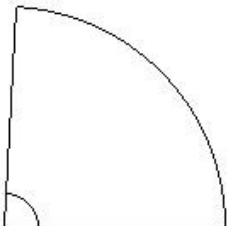

(i) 67.86 cm (ii) 57.86 cm (iii) 59.86 cm (iv) 62.86 cm (v) 65.86 cm

36. If the length of the arc of a sector is 14.91 cm and the angle subtended at the center by the arc of the sector is 61.00°, the radius of the circle is
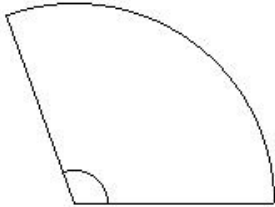

(i) 9.00 cm (ii) 19.00 cm (iii) 11.00 cm (iv) 17.00 cm (v) 14.00 cm

37. If the length of the arc of a sector is 19.75 cm and the angle subtended at the center by the arc of the sector is 87.00°, the area of the sector is
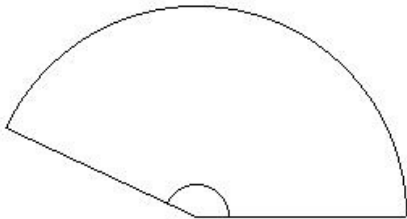

(i) 143.36 sq.cm (ii) 142.36 sq.cm (iii) 128.36 sq.cm (iv) 116.36 sq.cm

38. If the length of the arc of a sector is 23.05 cm and the angle subtended at the center by the arc of the sector is 110.00°, the perimeter of the sector is
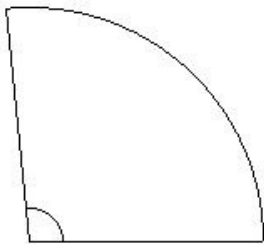

(i) 52.05 cm   (ii) 44.05 cm   (iii) 50.05 cm   (iv) 47.05 cm   (v) 42.05 cm

39. If the length of the arc of a sector is 35.18 cm and the angle subtended at the center by the arc of the sector is 155.00°, the area of the circle is
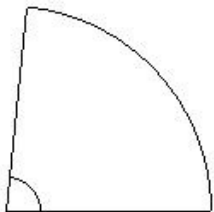

(i) 546.14 sq.cm   (ii) 531.14 sq.cm   (iii) 505.14 sq.cm   (iv) 538.14 sq.cm   (v) 523.14 sq.cm

40. If the length of the arc of a sector is 23.47 cm and the angle subtended at the center by the arc of the sector is 96.00°, the perimeter of the circle is
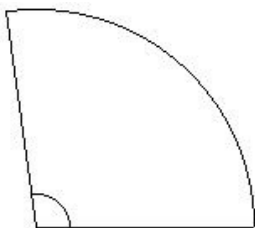

(i) 93.00 cm   (ii) 83.00 cm   (iii) 91.00 cm   (iv) 88.00 cm   (v) 85.00 cm

41. If the length of the arc of a sector is 17.60 cm and the area of the circle is 452.57 sq.cm, the radius of the circle is

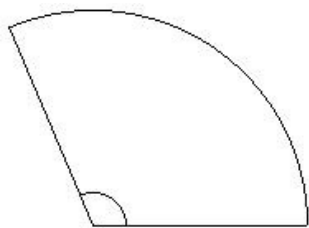(i) 15.00 cm   (ii) 9.00 cm   (iii) 7.00 cm   (iv) 12.00 cm   (v) 17.00 cm

42. If the length of the arc of a sector is 22.24 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

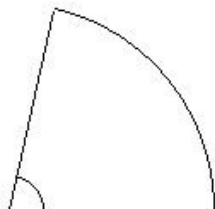(i) 93.00°   (ii) 103.00°   (iii) 101.00°   (iv) 95.00°   (v) 98.00°

43. If the length of the arc of a sector is 25.65 cm and the area of the circle is 531.14 sq.cm, the area of the sector is
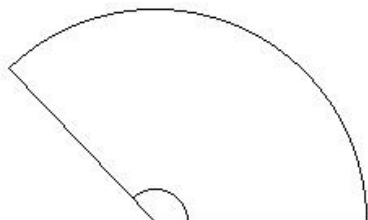

   (i) 193.72 sq.cm (ii) 166.72 sq.cm (iii) 152.72 sq.cm (iv) 148.72 sq.cm (v) 181.72 sq.cm

44. If the length of the arc of a sector is 16.13 cm and the area of the circle is 452.57 sq.cm, the perimeter of the sector is
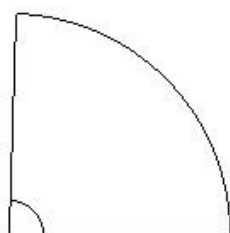

   (i) 40.13 cm (ii) 45.13 cm (iii) 43.13 cm (iv) 35.13 cm (v) 37.13 cm

45. If the length of the arc of a sector is 30.41 cm and the area of the circle is 531.14 sq.cm, the perimeter of the circle is
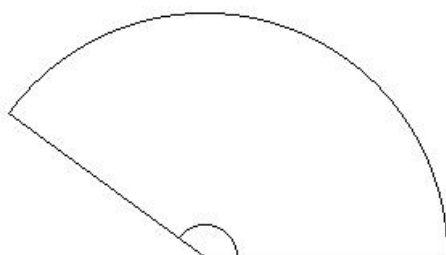

   (i) 84.71 cm (ii) 86.71 cm (iii) 81.71 cm (iv) 78.71 cm (v) 76.71 cm

46. If the length of the arc of a sector is 19.97 cm and the perimeter of the circle is 81.71 cm, the radius of the circle is
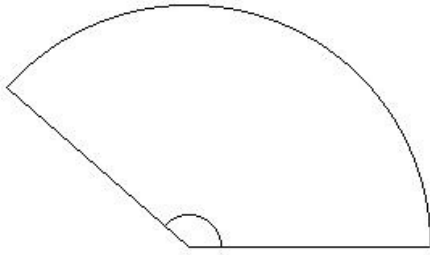

   (i) 13.00 cm (ii) 16.00 cm (iii) 10.00 cm (iv) 8.00 cm (v) 18.00 cm

47. If the length of the arc of a sector is 37.72 cm and the perimeter of the circle is 94.29 cm, the angle subtended at the center by the arc of the sector is
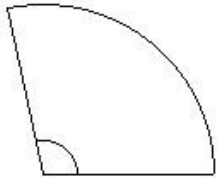

   (i) 144.00° (ii) 158.00° (iii) 120.00° (iv) 137.00° (v) 152.00°

48. If the length of the arc of a sector is 36.41 cm and the perimeter of the circle is 94.29 cm, the area of the sector is
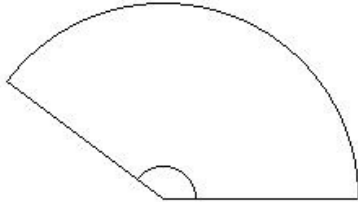

(i) 251.03 sq.cm (ii) 273.03 sq.cm (iii) 256.03 sq.cm (iv) 280.03 sq.cm (v) 288.03 sq.cm

49. If the length of the arc of a sector is 17.81 cm and the perimeter of the circle is 62.86 cm, the perimeter of the sector is

(i) 42.81 cm (ii) 32.81 cm (iii) 34.81 cm (iv) 37.81 cm (v) 40.81 cm

50. If the length of the arc of a sector is 29.96 cm and the perimeter of the circle is 75.43 cm, the area of the circle is

(i) 478.57 sq.cm (ii) 425.57 sq.cm (iii) 447.57 sq.cm (iv) 452.57 sq.cm (v) 458.57 sq.cm

Assignment Key

1) (i)	2) (iii)	3) (i)	4) (v)	5) (i)	6) (i)
7) (ii)	8) (v)	9) (iv)	10) (v)	11) (iv)	12) (iii)
13) (iii)	14) (iv)	15) (i)	16) (ii)	17) (iv)	18) (i)
19) (iii)	20) (iii)	21) (iv)	22) (ii)	23) (v)	24) (iv)
25) (v)	26) (i)	27) (v)	28) (v)	29) (ii)	30) (ii)
31) (v)	32) (i)	33) (i)	34) (v)	35) (iv)	36) (v)
37) (iii)	38) (iv)	39) (ii)	40) (iv)	41) (iv)	42) (v)
43) (ii)	44) (i)	45) (iii)	46) (i)	47) (i)	48) (ii)
49) (iv)	50) (iv)				