EduSahara™ Assignment

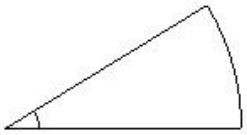
Name : Sectors

Chapter : Area of Plane Figures

Grade : SSC Grade VIII

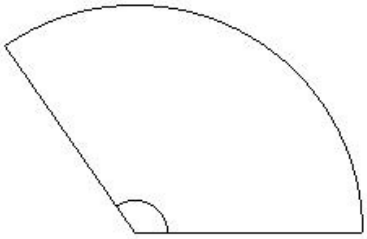
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1. If the radius of a circle is 14.00 cm and the angle subtended at the center by the arc of a sector is 31.00°, the length of the arc of the sector is



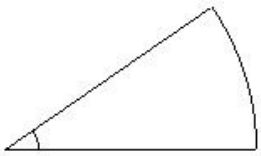
(i) 7.58 cm (ii) 6.58 cm (iii) 8.58 cm (iv) 5.58 cm (v) 9.58 cm

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 125.00°, the area of the sector is



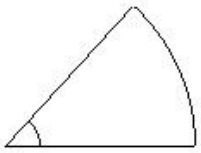
(i) 213.89 sq.cm (ii) 237.89 sq.cm (iii) 198.89 sq.cm (iv) 201.89 sq.cm (v) 215.89 sq.cm

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 35.00°, the perimeter of the sector is



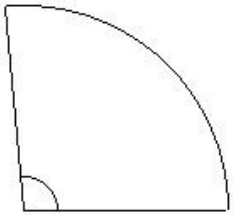
(i) 42.17 cm (ii) 36.17 cm (iii) 39.17 cm (iv) 34.17 cm (v) 44.17 cm

4. If the radius of a circle is 11.00 cm and the angle subtended at the center by the arc of a sector is 48.00°, the area of the circle is



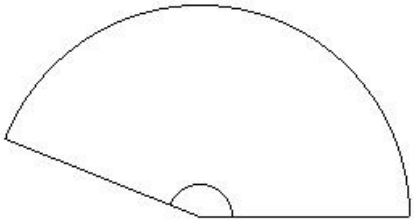
(i) 375.29 sq.cm (ii) 380.29 sq.cm (iii) 387.29 sq.cm (iv) 358.29 sq.cm (v) 406.29 sq.cm

5. If the radius of a circle is 12.00 cm and the angle subtended at the center by the arc of a sector is 95.00°, the perimeter of the circle is



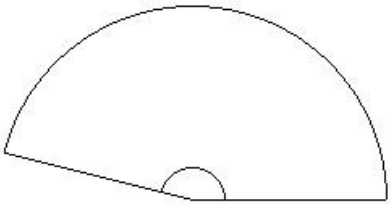
(i) 78.43 cm (ii) 75.43 cm (iii) 70.43 cm (iv) 72.43 cm (v) 80.43 cm

6. If the radius of a circle is 13.00 cm and the length of the arc of a sector is 35.86 cm, the angle subtended at the center by the arc of the sector is



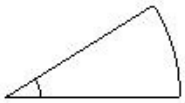
(i) 152.00° (ii) 135.00° (iii) 173.00° (iv) 158.00° (v) 171.00°

7. If the radius of a circle is 12.00 cm and the length of the arc of a sector is 34.78 cm, the area of the sector is



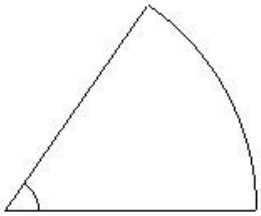
(i) 192.69 sq.cm (ii) 214.69 sq.cm (iii) 223.69 sq.cm (iv) 208.69 sq.cm (v) 180.69 sq.cm

8. If the radius of a circle is 10.00 cm and the length of the arc of a sector is 5.59 cm, the perimeter of the sector is



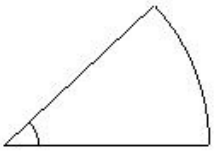
(i) 25.59 cm (ii) 28.59 cm (iii) 22.59 cm (iv) 20.59 cm (v) 30.59 cm

9. If the radius of a circle is 15.00 cm and the length of the arc of a sector is 14.41 cm, the area of the circle is



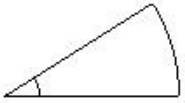
(i) 689.14 sq.cm (ii) 712.14 sq.cm (iii) 725.14 sq.cm (iv) 707.14 sq.cm (v) 693.14 sq.cm

10. If the radius of a circle is 12.00 cm and the length of the arc of a sector is 9.01 cm, the perimeter of the circle is



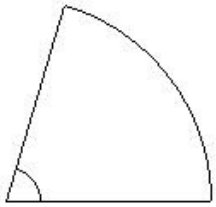
(i) 70.43 cm (ii) 78.43 cm (iii) 72.43 cm (iv) 75.43 cm (v) 80.43 cm

11. If the radius of a circle is 10.00 cm and the area of a sector is 27.94 sq.cm, the angle subtended at the center by the arc of the sector is



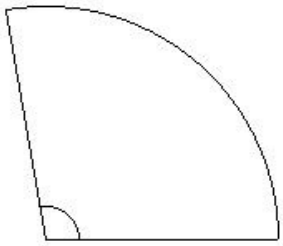
(i) 37.00° (ii) 27.00° (iii) 32.00° (iv) 29.00° (v) 35.00°

12. If the radius of a circle is 12.00 cm and the area of a sector is 93.03 sq.cm, the length of the arc of the sector is



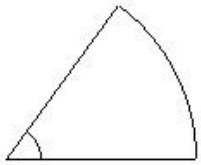
(i) 18.51 cm (ii) 12.51 cm (iii) 15.51 cm (iv) 10.51 cm (v) 20.51 cm

13. If the radius of a circle is 14.00 cm and the area of a sector is 171.11 sq.cm, the perimeter of the sector is



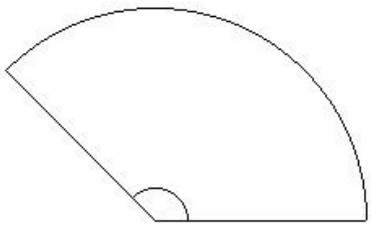
(i) 47.44 cm (ii) 49.44 cm (iii) 52.44 cm (iv) 57.44 cm (v) 55.44 cm

14. If the radius of a circle is 11.00 cm and the area of a sector is 57.04 sq.cm, the area of the circle is



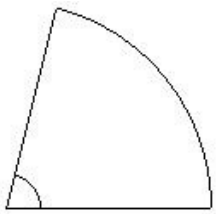
(i) 364.29 sq.cm (ii) 398.29 sq.cm (iii) 380.29 sq.cm (iv) 393.29 sq.cm

15. If the radius of a circle is 13.00 cm and the area of a sector is 199.18 sq.cm, the perimeter of the circle is



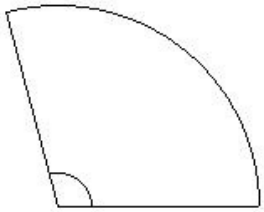
(i) 76.71 cm (ii) 84.71 cm (iii) 81.71 cm (iv) 86.71 cm (v) 78.71 cm

16. If the radius of a circle is 12.00 cm and the perimeter of a sector is 39.92 cm, the angle subtended at the center by the arc of the sector is



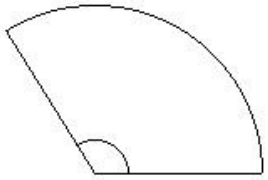
(i) 71.00° (ii) 81.00° (iii) 79.00° (iv) 73.00° (v) 76.00°

17. If the radius of a circle is 12.00 cm and the perimeter of a sector is 46.00 cm, the length of the arc of the sector is



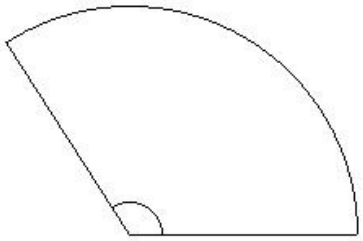
(i) 25.00 cm (ii) 27.00 cm (iii) 17.00 cm (iv) 19.00 cm (v) 22.00 cm

18. If the radius of a circle is 10.00 cm and the perimeter of a sector is 41.30 cm, the area of the sector is



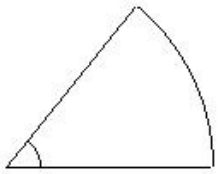
(i) 88.51 sq.cm (ii) 119.51 sq.cm (iii) 106.51 sq.cm (iv) 101.51 sq.cm

19. If the radius of a circle is 14.00 cm and the perimeter of a sector is 58.07 cm, the area of the circle is



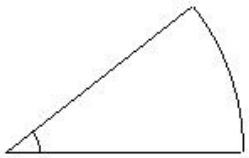
(i) 616.00 sq.cm (ii) 631.00 sq.cm (iii) 644.00 sq.cm (iv) 599.00 sq.cm

20. If the radius of a circle is 12.00 cm and the perimeter of a sector is 34.69 cm, the perimeter of the circle is



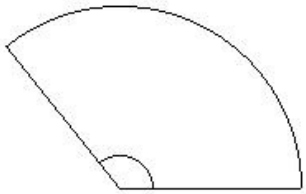
(i) 80.43 cm (ii) 78.43 cm (iii) 75.43 cm (iv) 72.43 cm (v) 70.43 cm

21. If the area of a sector of a circle is 65.02 sq.cm and the angle subtended at the center by the arc of the sector is 38.00°, the radius of the circle is



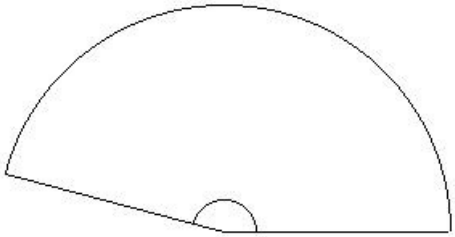
(i) 17.00 cm (ii) 14.00 cm (iii) 19.00 cm (iv) 11.00 cm (v) 9.00 cm

22. If the area of a sector of a circle is 136.27 sq.cm and the angle subtended at the center by the arc of the sector is 129.00°, the length of the arc of the sector is



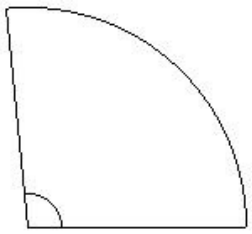
(i) 24.78 cm (ii) 19.78 cm (iii) 29.78 cm (iv) 21.78 cm (v) 27.78 cm

23. If the area of a sector of a circle is 282.33 sq.cm and the angle subtended at the center by the arc of the sector is 165.00°, the perimeter of the sector is



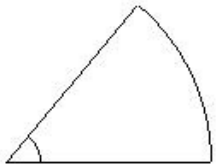
(i) 65.33 cm (ii) 73.33 cm (iii) 68.33 cm (iv) 63.33 cm (v) 71.33 cm

24. If the area of a sector of a circle is 141.64 sq.cm and the angle subtended at the center by the arc of the sector is 96.00°, the area of the circle is



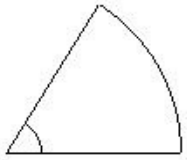
(i) 518.14 sq.cm (ii) 548.14 sq.cm (iii) 545.14 sq.cm (iv) 531.14 sq.cm (v) 506.14 sq.cm

25. If the area of a sector of a circle is 62.86 sq.cm and the angle subtended at the center by the arc of the sector is 50.00°, the perimeter of the circle is



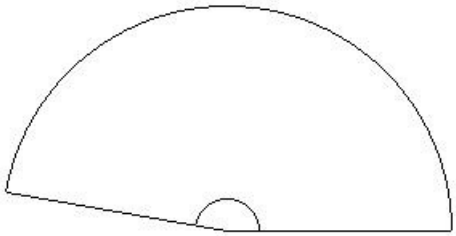
(i) 80.43 cm (ii) 72.43 cm (iii) 75.43 cm (iv) 78.43 cm (v) 70.43 cm

26. If the area of a sector of a circle is 50.64 sq.cm and the length of the arc of the sector is 10.13 cm, the radius of the circle is



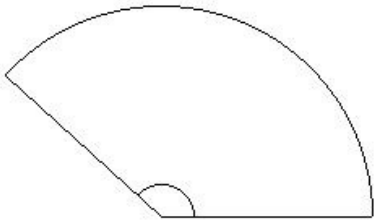
(i) 10.00 cm (ii) 5.00 cm (iii) 7.00 cm (iv) 15.00 cm (v) 13.00 cm

27. If the area of a sector of a circle is 290.89 sq.cm and the length of the arc of the sector is 41.56 cm, the angle subtended at the center by the arc of the sector is



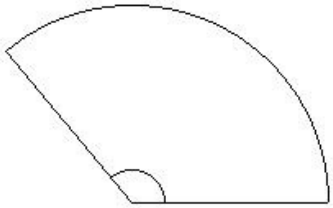
(i) 170.00° (ii) 154.00° (iii) 148.00° (iv) 186.00° (v) 172.00°

28. If the area of a sector of a circle is 203.60 sq.cm and the length of the arc of the sector is 31.32 cm, the perimeter of the sector is



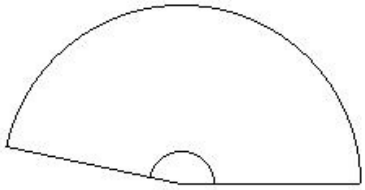
(i) 54.32 cm (ii) 62.32 cm (iii) 57.32 cm (iv) 60.32 cm (v) 52.32 cm

29. If the area of a sector of a circle is 163.43 sq.cm and the length of the arc of the sector is 27.24 cm, the area of the circle is



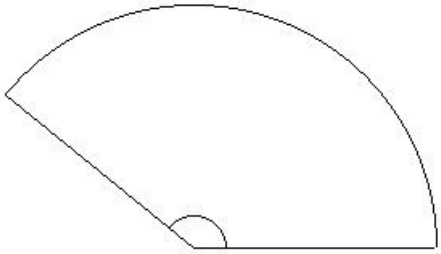
(i) 452.57 sq.cm (ii) 450.57 sq.cm (iii) 460.57 sq.cm (iv) 436.57 sq.cm (v) 477.57 sq.cm

30. If the area of a sector of a circle is 177.47 sq.cm and the length of the arc of the sector is 32.27 cm, the perimeter of the circle is



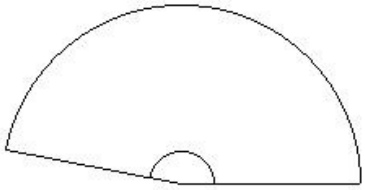
(i) 74.14 cm (ii) 72.14 cm (iii) 64.14 cm (iv) 66.14 cm (v) 69.14 cm

31. If the area of a sector of a circle is 276.96 sq.cm and the area of the circle is 707.14 sq.cm, the radius of the circle is



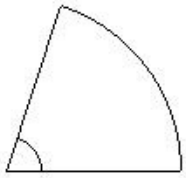
(i) 15.00 cm (ii) 10.00 cm (iii) 12.00 cm (iv) 20.00 cm (v) 18.00 cm

32. If the area of a sector of a circle is 178.53 sq.cm and the area of the circle is 380.29 sq.cm, the angle subtended at the center by the arc of the sector is



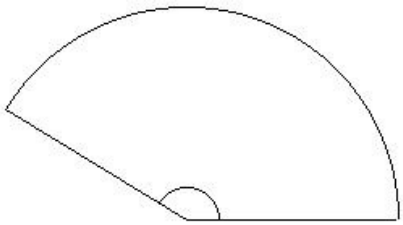
(i) 161.00° (ii) 182.00° (iii) 174.00° (iv) 146.00° (v) 169.00°

33. If the area of a sector of a circle is 62.86 sq.cm and the area of the circle is 314.29 sq.cm, the length of the arc of the sector is



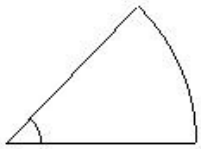
(i) 7.57 cm (ii) 15.57 cm (iii) 17.57 cm (iv) 12.57 cm (v) 9.57 cm

34. If the area of a sector of a circle is 219.83 sq.cm and the area of the circle is 531.14 sq.cm, the perimeter of the sector is



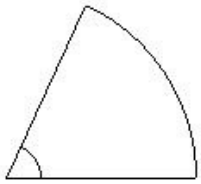
(i) 54.82 cm (ii) 56.82 cm (iii) 64.82 cm (iv) 62.82 cm (v) 59.82 cm

35. If the area of a sector of a circle is 48.59 sq.cm and the area of the circle is 380.29 sq.cm, the perimeter of the circle is



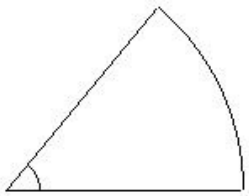
(i) 66.14 cm (ii) 72.14 cm (iii) 69.14 cm (iv) 74.14 cm (v) 64.14 cm

36. If the length of the arc of a sector is 12.48 cm and the angle subtended at the center by the arc of the sector is 65.00°, the radius of the circle is



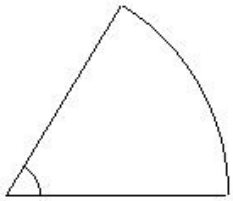
(i) 6.00 cm (ii) 8.00 cm (iii) 16.00 cm (iv) 11.00 cm (v) 14.00 cm

37. If the length of the arc of a sector is 12.22 cm and the angle subtended at the center by the arc of the sector is 50.00°, the area of the sector is



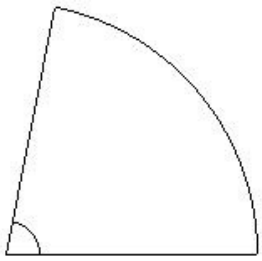
(i) 90.56 sq.cm (ii) 80.56 sq.cm (iii) 85.56 sq.cm (iv) 88.56 sq.cm (v) 82.56 sq.cm

38. If the length of the arc of a sector is 13.39 cm and the angle subtended at the center by the arc of the sector is 59.00°, the perimeter of the sector is



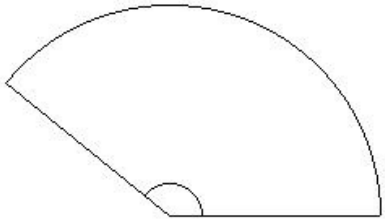
(i) 34.39 cm (ii) 36.39 cm (iii) 39.39 cm (iv) 42.39 cm (v) 44.39 cm

39. If the length of the arc of a sector is 20.69 cm and the angle subtended at the center by the arc of the sector is 79.00°, the area of the circle is



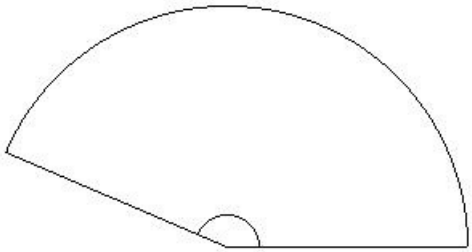
(i) 721.14 sq.cm (ii) 680.14 sq.cm (iii) 707.14 sq.cm (iv) 709.14 sq.cm (v) 701.14 sq.cm

40. If the length of the arc of a sector is 32.00 cm and the angle subtended at the center by the arc of the sector is 141.00°, the perimeter of the circle is



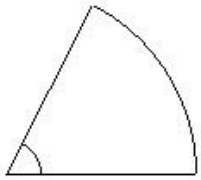
(i) 84.71 cm (ii) 81.71 cm (iii) 76.71 cm (iv) 86.71 cm (v) 78.71 cm

41. If the length of the arc of a sector is 41.12 cm and the area of the circle is 707.14 sq.cm, the radius of the circle is



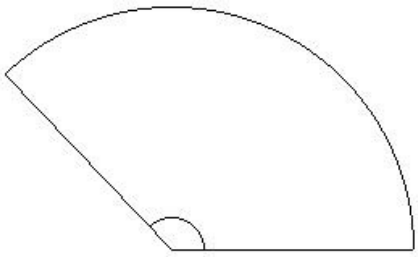
(i) 12.00 cm (ii) 15.00 cm (iii) 10.00 cm (iv) 20.00 cm (v) 18.00 cm

42. If the length of the arc of a sector is 12.10 cm and the area of the circle is 380.29 sq.cm, the angle subtended at the center by the arc of the sector is



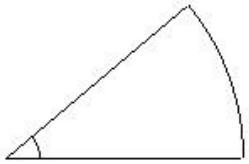
(i) 66.00° (ii) 63.00° (iii) 68.00° (iv) 60.00° (v) 58.00°

43. If the length of the arc of a sector is 35.10 cm and the area of the circle is 707.14 sq.cm, the area of the sector is



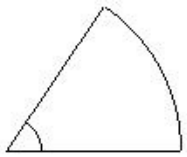
(i) 263.21 sq.cm (ii) 259.21 sq.cm (iii) 290.21 sq.cm (iv) 235.21 sq.cm (v) 278.21 sq.cm

44. If the length of the arc of a sector is 9.78 cm and the area of the circle is 616.00 sq.cm, the perimeter of the sector is



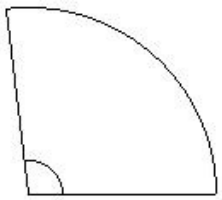
(i) 42.78 cm (ii) 37.78 cm (iii) 32.78 cm (iv) 40.78 cm (v) 34.78 cm

45. If the length of the arc of a sector is 9.78 cm and the area of the circle is 314.29 sq.cm, the perimeter of the circle is



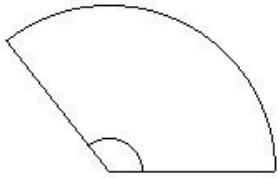
(i) 62.86 cm (ii) 65.86 cm (iii) 59.86 cm (iv) 67.86 cm (v) 57.86 cm

46. If the length of the arc of a sector is 18.63 cm and the perimeter of the circle is 69.14 cm, the radius of the circle is



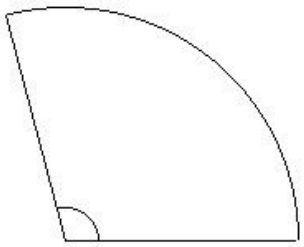
(i) 16.00 cm (ii) 6.00 cm (iii) 11.00 cm (iv) 8.00 cm (v) 14.00 cm

47. If the length of the arc of a sector is 22.35 cm and the perimeter of the circle is 62.86 cm, the angle subtended at the center by the arc of the sector is



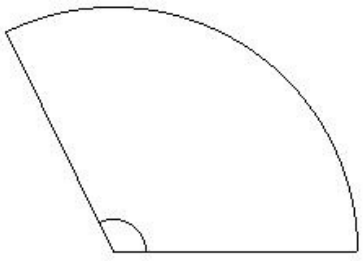
(i) 111.00° (ii) 141.00° (iii) 128.00° (iv) 144.00° (v) 116.00°

48. If the length of the arc of a sector is 25.67 cm and the perimeter of the circle is 88.00 cm, the area of the sector is



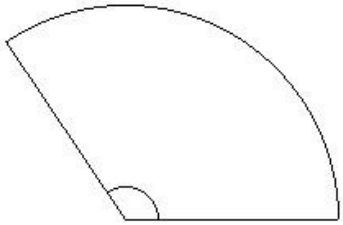
(i) 175.67 sq.cm (ii) 202.67 sq.cm (iii) 163.67 sq.cm (iv) 179.67 sq.cm (v) 182.67 sq.cm

49. If the length of the arc of a sector is 30.38 cm and the perimeter of the circle is 94.29 cm, the perimeter of the sector is



(i) 65.38 cm (ii) 60.38 cm (iii) 55.38 cm (iv) 57.38 cm (v) 63.38 cm

50. If the length of the arc of a sector is 28.14 cm and the perimeter of the circle is 81.71 cm, the area of the circle is



(i) 531.14 sq.cm (ii) 547.14 sq.cm (iii) 527.14 sq.cm (iv) 534.14 sq.cm (v) 519.14 sq.cm

Assignment Key

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

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