EduSahara™ Assignment

Name : Sectors

Chapter : Area of Plane Figures

Grade : SSC Grade VIII

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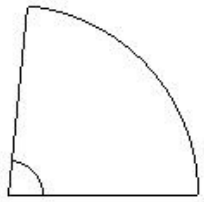
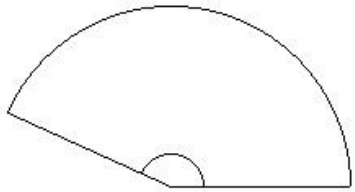
1. If the radius of a circle is 11.00 cm and the angle subtended at the center by the arc of a sector is 84.00°, the length of the arc of the sector is



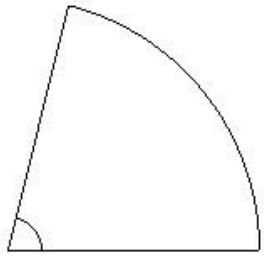
(i) 16.13 cm (ii) 21.13 cm (iii) 13.13 cm (iv) 19.13 cm (v) 11.13 cm

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 156.00°, the area of the sector is



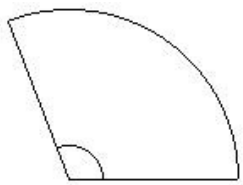
(i) 142.79 sq.cm (ii) 162.79 sq.cm (iii) 178.79 sq.cm (iv) 167.79 sq.cm (v) 164.79 sq.cm

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 76.00°, the perimeter of the sector is



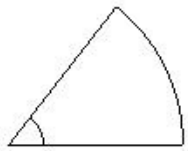
(i) 44.91 cm (ii) 52.91 cm (iii) 54.91 cm (iv) 46.91 cm (v) 49.91 cm

4. If the radius of a circle is 10.00 cm and the angle subtended at the center by the arc of a sector is 111.00°, the area of the circle is



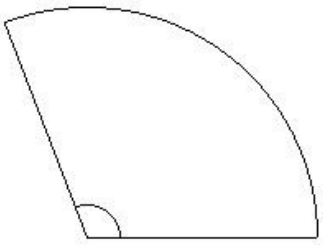
(i) 314.29 sq.cm (ii) 328.29 sq.cm (iii) 296.29 sq.cm (iv) 322.29 sq.cm (v) 298.29 sq.cm

5. If the radius of a circle is 10.00 cm and the angle subtended at the center by the arc of a sector is 52.00°, the perimeter of the circle is



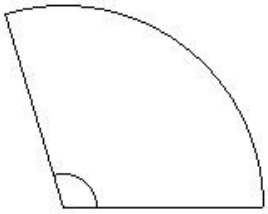
(i) 57.86 cm (ii) 67.86 cm (iii) 65.86 cm (iv) 62.86 cm (v) 59.86 cm

6. If the radius of a circle is 14.00 cm and the length of the arc of a sector is 27.13 cm, the angle subtended at the center by the arc of the sector is



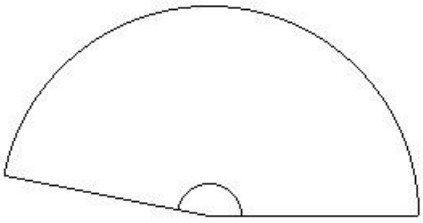
(i) 125.00° (ii) 111.00° (iii) 137.00° (iv) 103.00° (v) 84.00°

7. If the radius of a circle is 12.00 cm and the length of the arc of a sector is 22.42 cm, the area of the sector is



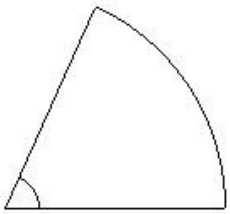
(i) 149.51 sq.cm (ii) 130.51 sq.cm (iii) 151.51 sq.cm (iv) 134.51 sq.cm (v) 122.51 sq.cm

8. If the radius of a circle is 13.00 cm and the length of the arc of a sector is 38.36 cm, the perimeter of the sector is



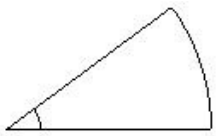
(i) 64.36 cm (ii) 61.36 cm (iii) 67.36 cm (iv) 59.36 cm (v) 69.36 cm

9. If the radius of a circle is 13.00 cm and the length of the arc of a sector is 14.98 cm, the area of the circle is



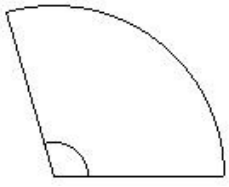
(i) 531.14 sq.cm (ii) 546.14 sq.cm (iii) 557.14 sq.cm (iv) 513.14 sq.cm (v) 524.14 sq.cm

10. If the radius of a circle is 12.00 cm and the length of the arc of a sector is 7.54 cm, the perimeter of the circle is



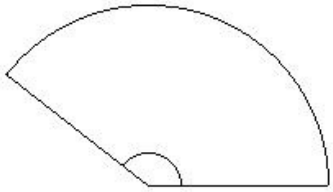
(i) 75.43 cm (ii) 78.43 cm (iii) 80.43 cm (iv) 70.43 cm (v) 72.43 cm

11. If the radius of a circle is 10.00 cm and the area of a sector is 92.54 sq.cm, the angle subtended at the center by the arc of the sector is



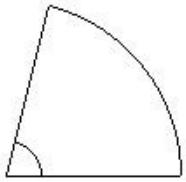
(i) 106.00° (ii) 123.00° (iii) 89.00° (iv) 102.00° (v) 121.00°

12. If the radius of a circle is 11.00 cm and the area of a sector is 150.00 sq.cm, the length of the arc of the sector is



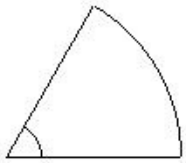
(i) 27.27 cm (ii) 32.27 cm (iii) 30.27 cm (iv) 24.27 cm (v) 22.27 cm

13. If the radius of a circle is 10.00 cm and the area of a sector is 66.35 sq.cm, the perimeter of the sector is



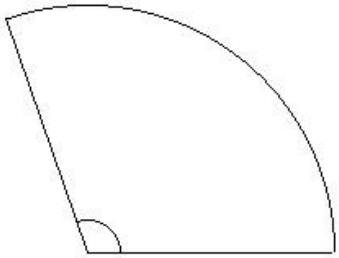
(i) 38.27 cm (ii) 28.27 cm (iii) 33.27 cm (iv) 36.27 cm (v) 30.27 cm

14. If the radius of a circle is 10.00 cm and the area of a sector is 52.38 sq.cm, the area of the circle is



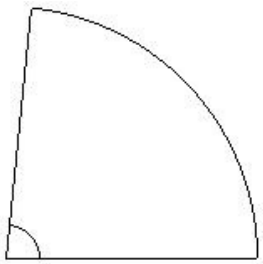
(i) 288.29 sq.cm (ii) 316.29 sq.cm (iii) 341.29 sq.cm (iv) 302.29 sq.cm (v) 314.29 sq.cm

15. If the radius of a circle is 15.00 cm and the area of a sector is 214.11 sq.cm, the perimeter of the circle is



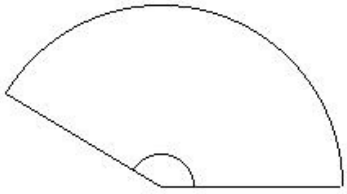
(i) 99.29 cm (ii) 89.29 cm (iii) 91.29 cm (iv) 97.29 cm (v) 94.29 cm

16. If the radius of a circle is 15.00 cm and the perimeter of a sector is 52.00 cm, the angle subtended at the center by the arc of the sector is



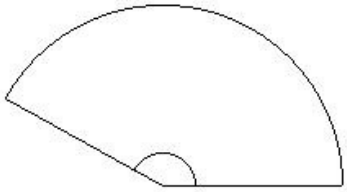
(i) 79.00° (ii) 89.00° (iii) 84.00° (iv) 87.00° (v) 81.00°

17. If the radius of a circle is 11.00 cm and the perimeter of a sector is 50.62 cm, the length of the arc of the sector is



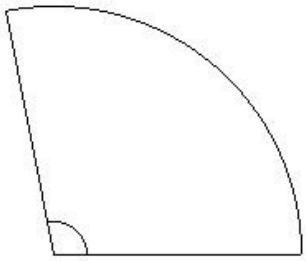
(i) 28.62 cm (ii) 23.62 cm (iii) 33.62 cm (iv) 25.62 cm (v) 31.62 cm

18. If the radius of a circle is 11.00 cm and the perimeter of a sector is 51.00 cm, the area of the sector is



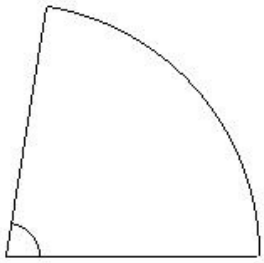
(i) 157.51 sq.cm (ii) 132.51 sq.cm (iii) 176.51 sq.cm (iv) 159.51 sq.cm (v) 173.51 sq.cm

19. If the radius of a circle is 15.00 cm and the perimeter of a sector is 56.45 cm, the area of the circle is



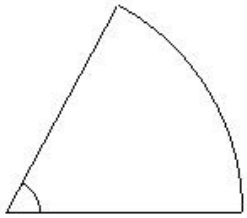
(i) 723.14 sq.cm (ii) 709.14 sq.cm (iii) 690.14 sq.cm (iv) 691.14 sq.cm (v) 707.14 sq.cm

20. If the radius of a circle is 15.00 cm and the perimeter of a sector is 51.22 cm, the perimeter of the circle is



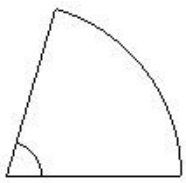
(i) 97.29 cm (ii) 94.29 cm (iii) 91.29 cm (iv) 89.29 cm (v) 99.29 cm

21. If the area of a sector of a circle is 106.09 sq.cm and the angle subtended at the center by the arc of the sector is 62.00°, the radius of the circle is



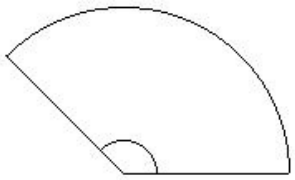
(i) 17.00 cm (ii) 19.00 cm (iii) 9.00 cm (iv) 11.00 cm (v) 14.00 cm

22. If the area of a sector of a circle is 64.60 sq.cm and the angle subtended at the center by the arc of the sector is 74.00°, the length of the arc of the sector is



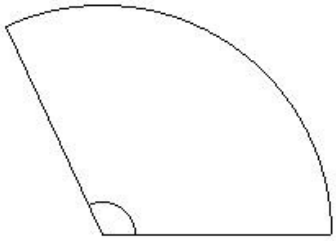
(i) 7.92 cm (ii) 9.92 cm (iii) 12.92 cm (iv) 15.92 cm (v) 17.92 cm

23. If the area of a sector of a circle is 117.86 sq.cm and the angle subtended at the center by the arc of the sector is 135.00°, the perimeter of the sector is



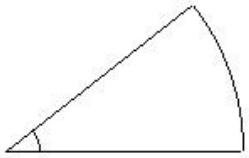
(i) 40.57 cm (ii) 43.57 cm (iii) 46.57 cm (iv) 48.57 cm (v) 38.57 cm

24. If the area of a sector of a circle is 196.78 sq.cm and the angle subtended at the center by the arc of the sector is 115.00°, the area of the circle is



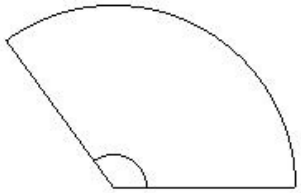
(i) 616.00 sq.cm (ii) 630.00 sq.cm (iii) 591.00 sq.cm (iv) 609.00 sq.cm

25. 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 perimeter of the circle is



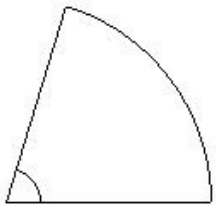
(i) 83.00 cm (ii) 93.00 cm (iii) 91.00 cm (iv) 88.00 cm (v) 85.00 cm

26. If the area of a sector of a circle is 133.10 sq.cm and the length of the arc of the sector is 24.20 cm, the radius of the circle is



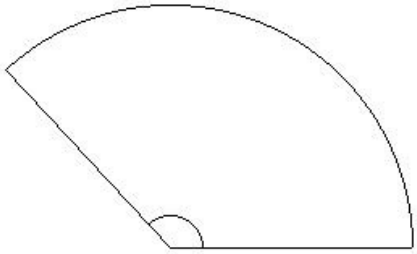
(i) 16.00 cm (ii) 14.00 cm (iii) 8.00 cm (iv) 11.00 cm (v) 6.00 cm

27. If the area of a sector of a circle is 91.77 sq.cm and the length of the arc of the sector is 15.30 cm, the angle subtended at the center by the arc of the sector is



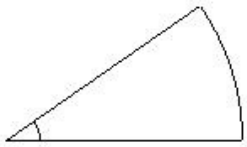
(i) 78.00° (ii) 70.00° (iii) 68.00° (iv) 76.00° (v) 73.00°

28. If the area of a sector of a circle is 261.25 sq.cm and the length of the arc of the sector is 34.83 cm, the perimeter of the sector is



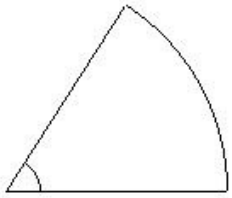
(i) 61.83 cm (ii) 64.83 cm (iii) 59.83 cm (iv) 67.83 cm (v) 69.83 cm

29. If the area of a sector of a circle is 59.89 sq.cm and the length of the arc of the sector is 8.56 cm, the area of the circle is



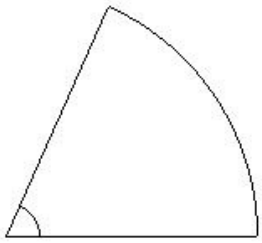
(i) 628.00 sq.cm (ii) 632.00 sq.cm (iii) 599.00 sq.cm (iv) 616.00 sq.cm (v) 601.00 sq.cm

30. If the area of a sector of a circle is 84.10 sq.cm and the length of the arc of the sector is 12.94 cm, the perimeter of the circle is



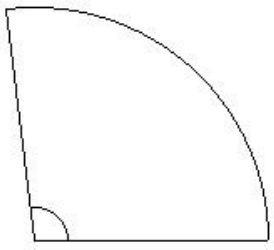
(i) 76.71 cm (ii) 78.71 cm (iii) 84.71 cm (iv) 81.71 cm (v) 86.71 cm

31. If the area of a sector of a circle is 129.64 sq.cm and the area of the circle is 707.14 sq.cm, the radius of the circle is



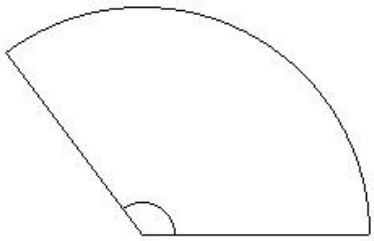
(i) 10.00 cm (ii) 20.00 cm (iii) 12.00 cm (iv) 18.00 cm (v) 15.00 cm

32. If the area of a sector of a circle is 165.98 sq.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



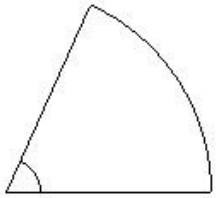
(i) 100.00° (ii) 92.00° (iii) 97.00° (iv) 94.00° (v) 102.00°

33. If the area of a sector of a circle is 217.31 sq.cm and the area of the circle is 616.00 sq.cm, the length of the arc of the sector is



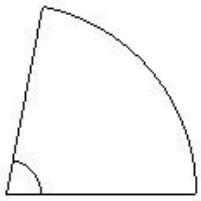
(i) 36.04 cm (ii) 34.04 cm (iii) 31.04 cm (iv) 28.04 cm (v) 26.04 cm

34. If the area of a sector of a circle is 82.97 sq.cm and the area of the circle is 452.57 sq.cm, the perimeter of the sector is



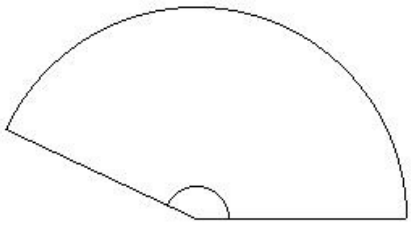
(i) 40.83 cm (ii) 34.83 cm (iii) 37.83 cm (iv) 32.83 cm (v) 42.83 cm

35. If the area of a sector of a circle is 83.45 sq.cm and the area of the circle is 380.29 sq.cm, the perimeter of the circle is



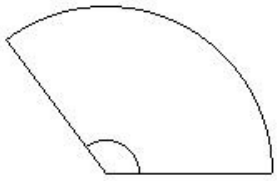
(i) 66.14 cm (ii) 74.14 cm (iii) 69.14 cm (iv) 72.14 cm (v) 64.14 cm

36. 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 radius of the circle is



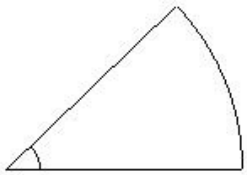
(i) 8.00 cm (ii) 16.00 cm (iii) 13.00 cm (iv) 18.00 cm (v) 10.00 cm

37. If the length of the arc of a sector is 22.18 cm and the angle subtended at the center by the arc of the sector is 127.00°, the area of the sector is



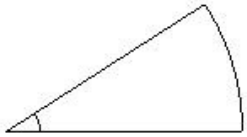
(i) 96.87 sq.cm (ii) 110.87 sq.cm (iii) 128.87 sq.cm (iv) 135.87 sq.cm (v) 93.87 sq.cm

38. If the length of the arc of a sector is 10.76 cm and the angle subtended at the center by the arc of the sector is 44.00°, the perimeter of the sector is



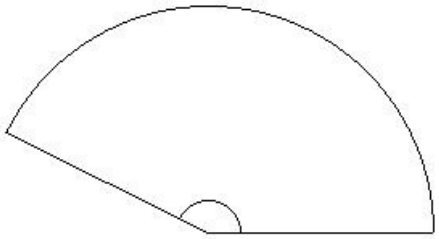
(i) 33.76 cm (ii) 43.76 cm (iii) 41.76 cm (iv) 35.76 cm (v) 38.76 cm

39. If the length of the arc of a sector is 8.07 cm and the angle subtended at the center by the arc of the sector is 33.00°, the area of the circle is



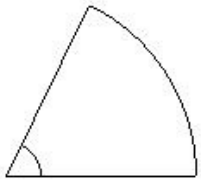
(i) 588.00 sq.cm (ii) 608.00 sq.cm (iii) 623.00 sq.cm (iv) 629.00 sq.cm (v) 616.00 sq.cm

40. If the length of the arc of a sector is 37.64 cm and the angle subtended at the center by the arc of the sector is 154.00°, the perimeter of the circle is



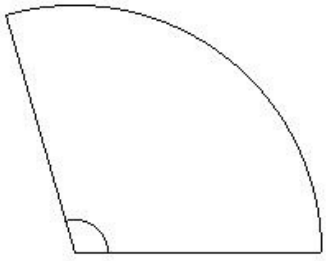
(i) 83.00 cm (ii) 88.00 cm (iii) 91.00 cm (iv) 93.00 cm (v) 85.00 cm

41. If the length of the arc of a sector is 12.29 cm and the area of the circle is 380.29 sq.cm, the radius of the circle is



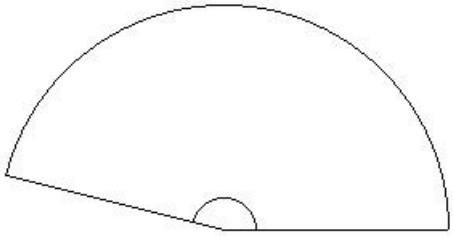
(i) 8.00 cm (ii) 14.00 cm (iii) 11.00 cm (iv) 6.00 cm (v) 16.00 cm

42. If the length of the arc of a sector is 27.76 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



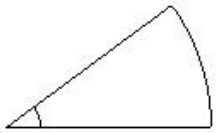
(i) 94.00° (ii) 101.00° (iii) 118.00° (iv) 106.00° (v) 119.00°

43. If the length of the arc of a sector is 40.58 cm and the area of the circle is 616.00 sq.cm, the area of the sector is



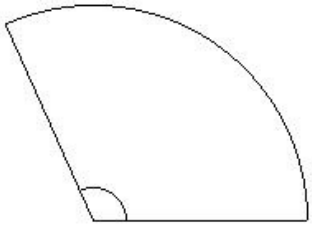
(i) 260.04 sq.cm (ii) 284.04 sq.cm (iii) 302.04 sq.cm (iv) 297.04 sq.cm (v) 272.04 sq.cm

44. If the length of the arc of a sector is 7.54 cm and the area of the circle is 452.57 sq.cm, the perimeter of the sector is



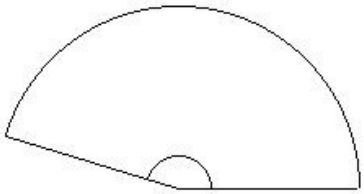
(i) 31.54 cm (ii) 34.54 cm (iii) 28.54 cm (iv) 26.54 cm (v) 36.54 cm

45. If the length of the arc of a sector is 25.87 cm and the area of the circle is 531.14 sq.cm, the perimeter of the circle is



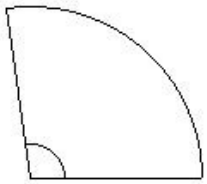
(i) 81.71 cm (ii) 76.71 cm (iii) 86.71 cm (iv) 84.71 cm (v) 78.71 cm

46. If the length of the arc of a sector is 31.31 cm and the perimeter of the circle is 69.14 cm, the radius of the circle is



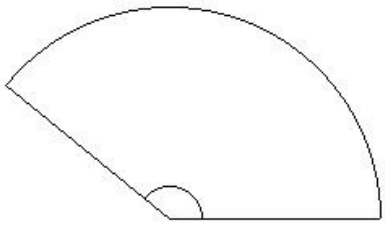
(i) 11.00 cm (ii) 16.00 cm (iii) 8.00 cm (iv) 14.00 cm (v) 6.00 cm

47. If the length of the arc of a sector is 17.11 cm and the perimeter of the circle is 62.86 cm, the angle subtended at the center by the arc of the sector is



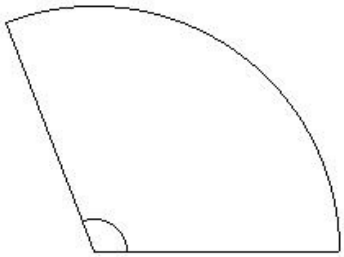
(i) 101.00° (ii) 95.00° (iii) 93.00° (iv) 98.00° (v) 103.00°

48. If the length of the arc of a sector is 32.00 cm and the perimeter of the circle is 81.71 cm, the area of the sector is



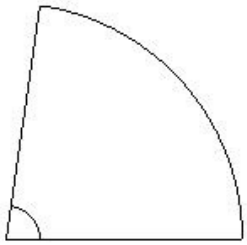
(i) 208.03 sq.cm (ii) 203.03 sq.cm (iii) 231.03 sq.cm (iv) 195.03 sq.cm (v) 226.03 sq.cm

49. If the length of the arc of a sector is 29.07 cm and the perimeter of the circle is 94.29 cm, the perimeter of the sector is



(i) 54.07 cm (ii) 59.07 cm (iii) 62.07 cm (iv) 64.07 cm (v) 56.07 cm

50. If the length of the arc of a sector is 20.04 cm and the perimeter of the circle is 88.00 cm, the area of the circle is



(i) 610.00 sq.cm (ii) 591.00 sq.cm (iii) 632.00 sq.cm (iv) 644.00 sq.cm (v) 616.00 sq.cm

Assignment Key

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

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