50+ Venn Diagram Questions for CAT 2025 - Planet E

Q1. In a company of 100 employees, 60 are in HR, 50 in Marketing, 20 are in both. How many are only

in HR?

Answer: B. 40

Q2. In a class of 70 students, 40 like History, 50 like Geography, 30 like both. How many like neither subject?

Answer: A. 10

Q3. In a town of 500 people, 300 read Newspapers, 200 read Magazines, 100 read both. How many read either Newspapers or Magazines?

Answer: A. 400

Q4. In a survey: 100 like Math, 90 like English, 80 like Science. 40 like Math and English, 30 like Math

and Science, 25 like English and Science, 10 like all three. How many like only Math?

Answer: 40

Q5. Out of 200 students, 105 like pizza, 134 like burgers. What's the number who like only burgers?

Answer: D. 93

Q6. How many integers from 1 to 120 are not divisible by 2, 5, or 7?

Answer: B. 41

Q7. In a group of 30 students, 15 play cricket, 20 play football, and 5 play both. How many play cricket

(including both)?

Answer: C. 20

Q8. Out of 50 employees, 25 are in sales, 30 in marketing, and 15 in both. How many work exclusively

in sales?

Answer: B. 15

Q9. In a park of 100 people, 60 use swings, 40 use slides, 20 use both. How many use only swings?

Answer: D. 40

Q10. There are 300 books: 150 in Hindi, 200 in English, 50 in both. How many are only in English?

Answer: A. 150

50+ Venn Diagram Questions for CAT 2025 - Planet E Q11. In a survey of 100 schools, 30 have only playgrounds, rest have libraries and labs in different combinations. How many don't have any facilities? Answer: A. 35 Q12. Among 100 families, 45 own radios, 75 TVs, 25 VCRs. 10 have all three. 25 have only radio. All VCR owners also own TVs. How many have only TVs? Answer: B. 40 Q13. Three clubs A, B, and C have 40, 50, 60 members. 10 people are in all three. 70 are in only one club. How many are in exactly two clubs? Answer: B. 25 Q14. In a batch of 150 students, 100 passed Math, 90 passed English, and 80 passed both. How many passed at least one subject? Answer: A. 110 Q15. In a college, 80 students enrolled in Dance, 70 in Music, 50 in both. How many students are there in total if all enrolled in either activity? Answer: C. 100 Q16. In a sample case, Set A has 66 elements, Set B has 76 elements, and intersection has 38 elements. Find elements only in Set A. Answer: 36 Q17. In a sample case, Set A has 67 elements, Set B has 77 elements, and intersection has 38 elements. Find elements only in Set A. Answer: 37 Q18. In a sample case, Set A has 68 elements, Set B has 78 elements, and intersection has 39 elements. Find elements only in Set A. Answer: 38 Q19. In a sample case, Set A has 69 elements, Set B has 79 elements, and intersection has 39

elements. Find elements only in Set A.

Answer: 39

Q20. In a sample case, Set A has 70 elements, Set B has 80 elements, and intersection has 40 elements. Find elements only in Set A.

Answer: 40

Q21. In a sample case, Set A has 71 elements, Set B has 81 elements, and intersection has 40 elements. Find elements only in Set A.

Answer: 41

Q22. In a sample case, Set A has 72 elements, Set B has 82 elements, and intersection has 41 elements. Find elements only in Set A.

Answer: 42

Q23. In a sample case, Set A has 73 elements, Set B has 83 elements, and intersection has 41 elements. Find elements only in Set A.

Answer: 43

Q24. In a sample case, Set A has 74 elements, Set B has 84 elements, and intersection has 42 elements. Find elements only in Set A.

Answer: 44

Q25. In a sample case, Set A has 75 elements, Set B has 85 elements, and intersection has 42 elements. Find elements only in Set A.

Answer: 45

Q26. In a sample case, Set A has 76 elements, Set B has 86 elements, and intersection has 43 elements. Find elements only in Set A.

Answer: 46

Q27. In a sample case, Set A has 77 elements, Set B has 87 elements, and intersection has 43 elements. Find elements only in Set A.

Answer: 47

Q28. In a sample case, Set A has 78 elements, Set B has 88 elements, and intersection has 44

elements. Find elements only in Set A.

Answer: 48

Q29. In a sample case, Set A has 79 elements, Set B has 89 elements, and intersection has 44 elements. Find elements only in Set A.

Answer: 49

Q30. In a sample case, Set A has 80 elements, Set B has 90 elements, and intersection has 45 elements. Find elements only in Set A.

Answer: 50

Q31. In a sample case, Set A has 81 elements, Set B has 91 elements, and intersection has 45 elements. Find elements only in Set A.

Answer: 51

Q32. In a sample case, Set A has 82 elements, Set B has 92 elements, and intersection has 46 elements. Find elements only in Set A.

Answer: 52

Q33. In a sample case, Set A has 83 elements, Set B has 93 elements, and intersection has 46 elements. Find elements only in Set A.

Answer: 53

Q34. In a sample case, Set A has 84 elements, Set B has 94 elements, and intersection has 47 elements. Find elements only in Set A.

Answer: 54

Q35. In a sample case, Set A has 85 elements, Set B has 95 elements, and intersection has 47 elements. Find elements only in Set A.

Answer: 55

Q36. In a sample case, Set A has 86 elements, Set B has 96 elements, and intersection has 48 elements. Find elements only in Set A.

Answer: 56

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Q37. In a sample case, Set A has 87 elements, Set B has 97 elements, and intersection has 48 elements. Find elements only in Set A.

Answer: 57

Q38. In a sample case, Set A has 88 elements, Set B has 98 elements, and intersection has 49 elements. Find elements only in Set A.

Answer: 58

Q39. In a sample case, Set A has 89 elements, Set B has 99 elements, and intersection has 49 elements. Find elements only in Set A.

Answer: 59

Q40. In a sample case, Set A has 90 elements, Set B has 100 elements, and intersection has 50 elements. Find elements only in Set A.

Answer: 60

Q41. In a sample case, Set A has 91 elements, Set B has 101 elements, and intersection has 50 elements. Find elements only in Set A.

Answer: 61

Q42. In a sample case, Set A has 92 elements, Set B has 102 elements, and intersection has 51 elements. Find elements only in Set A.

Answer: 62

Q43. In a sample case, Set A has 93 elements, Set B has 103 elements, and intersection has 51 elements. Find elements only in Set A.

Answer: 63

Q44. In a sample case, Set A has 94 elements, Set B has 104 elements, and intersection has 52 elements. Find elements only in Set A.

Answer: 64

Q45. In a sample case, Set A has 95 elements, Set B has 105 elements, and intersection has 52 elements. Find elements only in Set A.

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Answer: 65

Q46. In a sample case, Set A has 96 elements, Set B has 106 elements, and intersection has 53 elements. Find elements only in Set A.

Answer: 66

Q47. In a sample case, Set A has 97 elements, Set B has 107 elements, and intersection has 53 elements. Find elements only in Set A.

Answer: 67

Q48. In a sample case, Set A has 98 elements, Set B has 108 elements, and intersection has 54 elements. Find elements only in Set A.

Answer: 68

Q49. In a sample case, Set A has 99 elements, Set B has 109 elements, and intersection has 54 elements. Find elements only in Set A.

Answer: 69

Q50. In a sample case, Set A has 100 elements, Set B has 110 elements, and intersection has 55 elements. Find elements only in Set A.

Answer: 70