

Directions (1-10) These questions are based on series pattern: some terms are missing in each series which is indicated by question mark (?). Find out the missing term out of the five alternatives.

1. AC, GI, LN, ?, WY
 (a) RT (b) AD
 (c) RU (d) XY
 (e) None of these
2. $\frac{4}{3} \cdot \frac{3}{5} = \frac{20}{6}$; $\frac{1}{2} \cdot \frac{9}{8} = \frac{8}{11}$ then $\frac{6}{2} \cdot \frac{5}{10} = ?$
 (a) $\frac{22}{3}$ (b) $\frac{60}{10}$
 (c) $\frac{60}{7}$ (d) $\frac{7}{16}$
 (e) None of these
3. $\frac{6}{5}, 1, \frac{5}{6}, \frac{25}{36}, ?$
 (a) $\frac{36}{25}$ (b) $\frac{125}{216}$
 (c) $\frac{216}{25}$ (d) $\frac{125}{36}$
 (e) None of these
4. 1, 5, 11, 19, 29, ?, 55
 (a) 19 (b) 29
 (c) 41 (d) 55
 (e) None of these
5. 3, 3, 11, 15, 22, 35, 51, ?, 83, 99
 (a) 61 (b) 63
 (c) 65 (d) 67
 (e) None of these
6. 1, 6, 13, 22, 33, ?
 (a) 45 (b) 46
 (c) 47 (d) 44
 (e) None of these
7. 8, 4, ?, 6, 18, 9, 27, 13.5
 (a) 12 (b) 13
 (c) 14 (d) 15
 (e) None of these
8. 3, 6, 21, 28, 55, 66, ?, 120
 (a) 103 (b) 104
 (c) 105 (d) 106
 (e) None of these
9. 5, 13, 25, 41, ?, 85, 113, 145
 (a) 61 (b) 62
 (c) 63 (d) 64
 (e) None of these

10. 4, 5, 7, 10, ?, 19, ?
 (a) 14, 25 (b) 13, 14
 (c) 15, 16 (d) 13, 17
 (e) None of these

Directions (11-15) Find the odd one out in the following questions

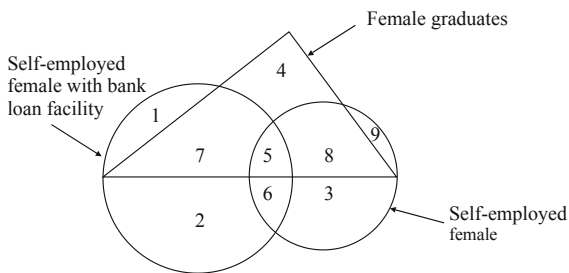
11. (a) \sqcup (b) \square
 (c) \sqcap (d) \sqsupset
 (e) π
12. (a) Television (b) Internet
 (c) Telephone (d) E-mail
 (e) None of these
13. (a) Chair (b) Bench
 (c) Stool (d) Table
 (e) Sofa
14. (a) Herd (b) Nest
 (c) Hole (d) Stable
 (e) None of these
15. (a) Hammer (b) Needle
 (c) Pin (d) Nail
 (e) None of these

Directions (16-20) A solid cube has been painted red on two adjacent faces and black on the faces opposite to the red faces and green on the remaining faces. It is cut into sixty four smaller cubes of equal size. Answer the following questions based on the above statement.

16. How many cubes are there which have no face painted?
 (a) 0 (b) 4
 (c) 8 (d) 16
 (e) None of these
17. How many cubes have only one face painted?
 (a) 8 (b) 16
 (c) 24 (d) 32
 (e) None of these
18. How many cubes have less than three faces painted?
 (a) 8 (b) 24
 (c) 28 (d) 48
 (e) None of these
19. How many cubes are there with three faces painted?
 (a) 4 (b) 8
 (c) 16 (d) 24
 (e) None of these

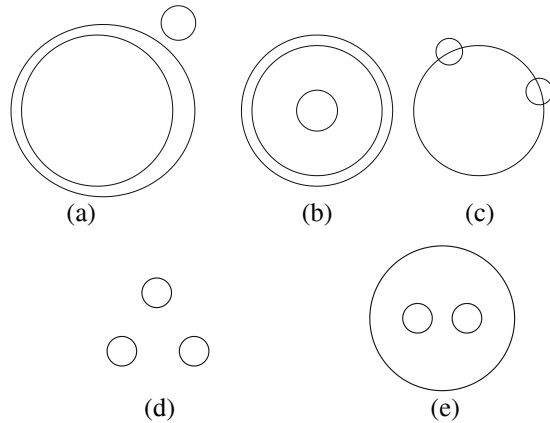
20. How many cubes have one faces green and one of the adjacent faces black or red?
 (a) 8 (b) 16
 (c) 24 (d) 28
 (e) None of these

Directions (21-25) These questions are based on the diagram in which three circles are interlocked. Different regions of the diagram are indicated.



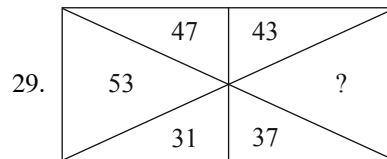
21. How many self-employed female graduates are with bank loan facility?
 (a) 5 (b) 12
 (c) 20 (d) 7
 (e) None of these
22. How many non-graduate self-employed females are with bank loan facility?
 (a) 3 (b) 8
 (c) 9 (d) 12
 (e) None of these
23. How many female graduates are not self-employed?
 (a) 4 (b) 10
 (c) 12 (d) 15
 (e) None of these
24. How many female graduates are self-employed?
 (a) 12 (b) 13
 (c) 20 (d) 15
 (e) None of these
25. How many non-graduate females are self-employed?
 (a) 11 (b) 9
 (c) 12 (d) 21
 (e) None of these

Directions (26-28) Each of the questions below contains three elements. These elements may or may not have some interlinkage. Each group of the elements may fit into one of the diagrams at (a), (b), (c), (d), and (e). You have to choose the correct figure that explicates the relationship between the elements in question.

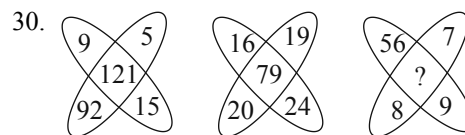


26. Pencil, Stationery, Jeep
 (a) (b) (c) (d) (e)
27. Factory, Machinery, Product
 (a) (b) (c) (d) (e)
28. Vegetables, Brinjal, Cauliflower
 (a) (b) (c) (d) (e)

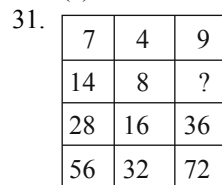
Directions (29-33) Which number will come in place of the questions mark?



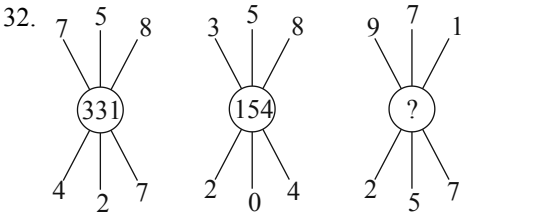
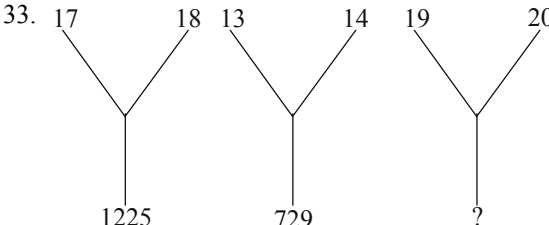
- (a) 42 (b) 41
 (c) 40 (d) 39
 (e) None of these



- (a) 98 (b) 80
 (c) 89 (d) 18
 (e) None of these



- (a) 10 (b) 16
 (c) 18 (d) 20
 (e) None of these

32. 
- (a) 280 (b) 441
(c) 653 (d) 714
(e) None of these
33. 
- (a) 639 (b) 542
(c) 529 (d) 641
(e) None of these

Directions (34-38) In the following question, a letter series is given which has some blank. Which set of letters when placed consecutively one after another in the blank shall complete the series?

34. $gfe - ig - eii - fei - gf - ii$
(a) $ifgie$ (b) $figie$
(c) $eifgi$ (d) $ifige$
(e) None of these
35. $cc_cabc_accbcc_c_b$
(a) $acac$ (b) $abac$
(c) $abab$ (d) $abbc$
(e) None of these
36. $efg - mno - qr - tu - yz -$
(a) $lpsx$ (b) $lpsv$
(c) $hpsv$ (d) $hpsx$
(e) None of these
37. $-a - bb - b - c - cc -$
(a) $abbc$ (b) $aabcc$
(c) $abbc$ (d) $aabbc$
(e) None of these
38. $-ab - b - bc - ca -$
(a) $cacab$ (b) $abcca$
(c) $abacb$ (d) $accbb$
(e) None of these
39. Gita: 'Naresh became a better boxer since he started meditation'. 'Impossible', said Radha.
- 'A boxer's most important asset is aggression.'
What did Radha intend to say?
(a) Naresh could not be a boxer as he has no aggression.
(b) Meditation tends to make a person less aggressive.
(c) Meditation has nothing to do with the boxing practice.
(d) Naresh could not take to meditation as he was boxer.
(e) None of these
40. **Statement**
All men should have equal opportunities but all did not have the same capacity. Some have the ability to earn more. Every one should use his ability for the benefit of the society.
Conclusions
(p) All men are not equal in all respects.
(q) One can use one's talents.
(a) If only conclusion (p) follows.
(b) If only conclusion (q) follows.
(c) If both the conclusions (p) and (q) follow.
(d) If either (p) or (q) follows.
(e) None of these
- Directions (41-45)** Read the information given here and answer the questions below on the basis of the information provided.
- There is a family of 5 persons A, B, C, D, and E.
 - They are working as a doctor, a teacher, a trader, a lawyer and a farmer.
 - B, an unmarried teacher, is the daughter of A.
 - E, a lawyer, is the brother of C.
 - C is the husband of the only married couple in the family.
 - A, a farmer, is a father of two sons and an unmarried daughter.
 - Daughter-in-law of A is a doctor.
41. Which of the following is a group of female members in the family?
(a) B and D (b) D and E
(c) A, C and E (d) B and C
(e) None of these
42. Which of the following is the married couple?
(a) A and B (b) C and D
(c) A and D (d) B and D
(e) None of these

43. Which of the following is a group of male members in the family?
 (a) A, B and C (b) B and D
 (c) A, C and E (d) A, C and D
 (e) None of these
44. Who is the doctor in the family?
 (a) A (b) B
 (c) C (d) D
 (e) None of these
45. Who is the trader in the family?
 (a) A (b) B
 (c) C (d) D
 (e) None of these

Directions (46-50) Read the following information carefully and answer the questions given below:

- i. P, Q, R, S, T and U are six students procured their masters degree in six different subjects—English, History, Philosophy, Physics, Statistics and Mathematics.
 - ii. Two of them stay in hostel, two stay as Paying Guest (PG) and the remaining two stay at home.
 - iii. R does not stay as PG and studies Philosophy.
 - iv. The student studying Statistics and History do not stay as PG.
 - v. T student Mathematics and S studies Physics.
 - vi. U and S stay in hostel. T stays as PG and Q stays at home.
46. Which of the following pairs of students is staying one each at hostel and at home?
 (a) US (b) SR
 (c) QR (d) Data inadequate
 (e) None of these
47. Who studies English?
 (a) S (b) T
 (c) U (d) R
 (e) None of these
48. Which of the following pairs of students stay at home?
 (a) PQ (b) QR
 (c) RS (d) ST
 (e) None of these
49. Which of the following combinations of subject and place of stay is not correct?
 (a) Physics-Hostel
 (b) English-Hostel
 (c) Philosophy-Home
 (d) Mathematics-Paying Guest
 (e) None of these
50. Which subject does Q study?
 (a) History
 (b) Statistics
 (c) History or Statistics
 (d) Data inadequate
 (e) None of these
51. A woman introduces a man as the son of the brother of her mother. How is the man related to the woman?
 (a) Nephew (b) Son
 (c) Cousin (d) Uncle
 (e) None of these
52. Introducing a man to her husband, a woman said his brother's father is the only son of my grandfather. How is the woman related to this man?
 (a) Mother (b) Aunt
 (c) Sister (d) Daughter
 (e) None of these
53. If A is the son of B; C, B's sister has a son D and a daughter E; F is the maternal uncle of D. Then, how is E related to F?
 (a) Sister (b) Daughter
 (c) Niece (d) Wife
 (e) None of these

Directions (54-58) Considering the relationship between the terms of first pair, give the word/letters/number with same relationship mission in the second pair.

54. Elbow : Wrist :: Knee : ?
 (a) Ankle (b) Fingers
 (c) Foot (d) Toes
 (e) None of these
55. Cow : Butter :: Mustard : ?
 (a) Flower (b) Oil
 (c) Plant (d) Seed
 (e) None of these
56. Food : Stomach :: Fuel : ?
 (a) Automobile (b) Engine
 (c) Truck (d) Plane
 (e) None of these

57. EGIK : FILO :: FHJL : ?
 (a) GJMP (b) GMJP
 (c) JGMP (d) JGPM
 (e) None of these

58. 333 : 356 :: 211 : ?
 (a) 358 (b) 359
 (c) 423 (d) 388
 (e) None of these

Directions (59-63) Which one is different from the rest four?

59. (a) Anxiety (b) Anger
 (c) Sorrow (d) Joy
 (e) Feeling
60. (a) 169 (b) 179
 (c) 135 (d) 149
 (e) 157
61. (a) Listen (b) Feel
 (c) Think (d) Sing
 (e) Hear
62. (a) Three (b) Four
 (c) Five (d) Six
 (e) Nine
63. (a) Jowar (b) Wheat
 (c) Paddy (d) Bajra
 (e) Mustard

Directions (64-65) Which letter will complete the following series?

64. POQ, SRT, VUW, ?
 (a) XYZ (b) XZY
 (c) YXZ (d) YZX
 (e) None of these
65. (a) A, E, J, ?, W, E
 (a) R (b) O
 (c) P (d) Q
 (e) None of these

Directions (66-70) Six plays A, B, C, D, E and F are to be staged one on each day from Monday to Saturday. The schedule of the plays is to be in accordance with the following:

- A should not be staged on Friday.
- C should not be staged on the first day of the schedule.
- D should be staged on Wednesday only but should not be followed immediately by C.
- There should be a gap of two days between D and F.
- E should be immediately followed by A.

66. Play B was scheduled on which of the following days?

- (a) Tuesday (b) Monday
 (c) Thursday (d) Friday
 (e) None of these

67. Play D was immediately preceded by which of the following plays?

- (a) A (b) C
 (c) B (d) E
 (e) None of these

68. Which of the following is the order of staging the plays starting from Monday?

- (a) AEDBCF
 (b) EADCBF
 (c) EADFBC
 (d) Cannot be determined
 (e) None of these

69. Which of the statements given in the information is superfluous for getting the order of staging all the plays?

- (a) I (b) II
 (c) IV (d) V
 (e) None of these

70. Which play was scheduled for Friday?

- (a) A (b) B
 (c) C (d) E
 (e) None of these

Directions (71-75) There are four friends Anil, Sushil, Raj and Harish. One of them is a cricketer and studies Chemistry and Biology. Anil and Sushil play football. Anil studies Commerce. Both the football players study Mathematics. Harish is a boxer. One football player also studies Physics. The boxer studies Mathematics and Accountancy. All the friends study two subjects each and play one game each.

71. Who is a cricketer?

- (a) Anil (b) Raj
 (c) Sushil (d) Harish
 (e) None of these

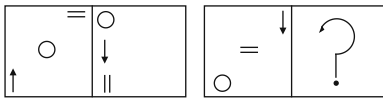
72. who does not study Mathematics?

- (a) Raj
 (b) Harish
 (c) Both Raj and Harish
 (d) Anil
 (e) None of these

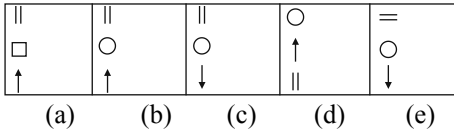
73. Who studies Physics?
 (a) Anil (b) Sushil
 (c) Raj (d) Harish
 (e) None of these
74. Who studies Commerce and plays football?
 (a) Anil (b) Sushil
 (c) Raj (d) Harish
 (e) None of these
75. Name the person who is not boxer, but studies both Chemistry and Biology
 (a) Anil (b) Sushil
 (c) Raj (d) Harish
 (e) None of these

Directions (76-84) The second figure in the first unit of the problem figures bears a certain relationship to the first figure. Similarly, one of the figures in the answer figures bears the same relationship to the second figure in the second unit of the problem figures. You are therefore, to locate the figure which would fit the question mark(?).

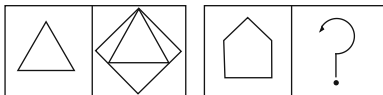
76. **Problem Figures**



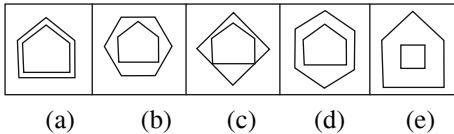
Answer Figures



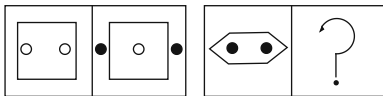
77. **Problem Figures**



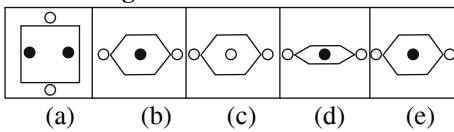
Answer Figures



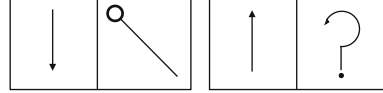
78. **Problem Figures**



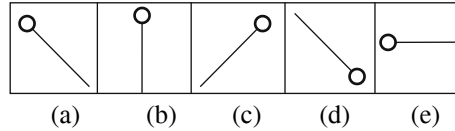
Answer Figures



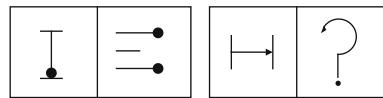
79. **Problem Figures**



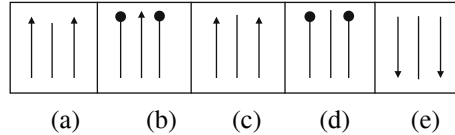
Answer Figures



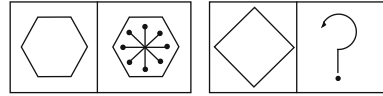
80. **Problem Figures**



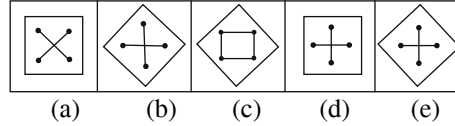
Answer Figures



81. **Problem Figures**



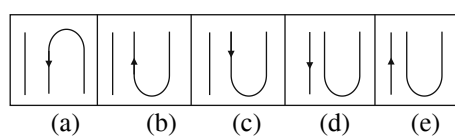
Answer Figures



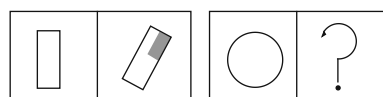
82. **Problem Figures**



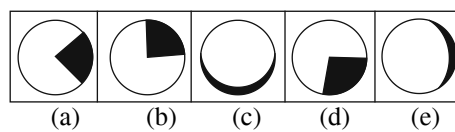
Answer Figures



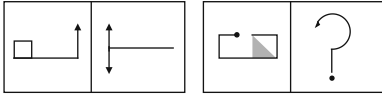
83. **Problem Figures**



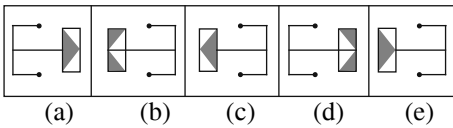
Answer Figures



84. **Problem Figures**

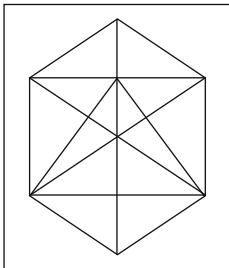


Answer Figures

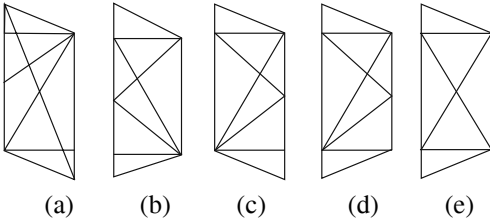


85. Which answer figure is embedded in the given problem figure?

Problem Figures

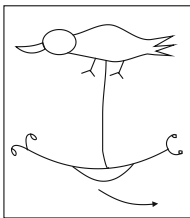


Answer Figures

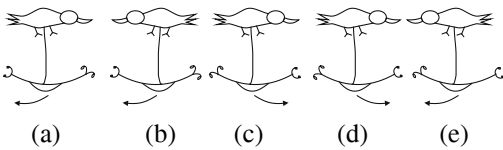


86. Which answer figure is the mirror image of the given problem figure?

Problem Figures

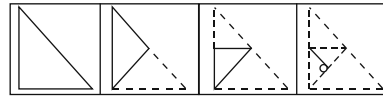


Answer Figures

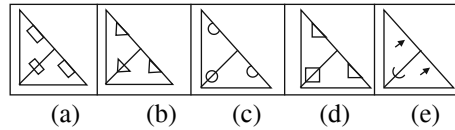


Directions (87-88) In each of the following questions a paper is folded and cuts are made, how will it look when unfolded?

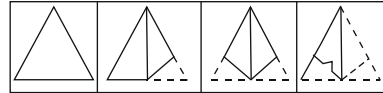
87. **Problem Figures**



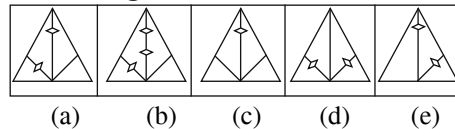
Answer Figures



88. **Problem Figures**

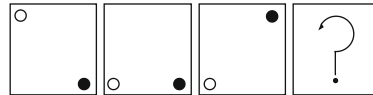


Answer Figures

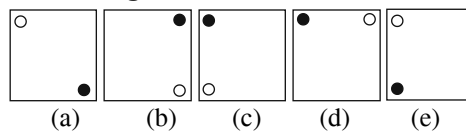


Directions (89-90) In each of the following questions, which one of the four answer figures should come at the place of (?) to complete the following series

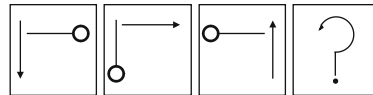
89. **Problem Figures**



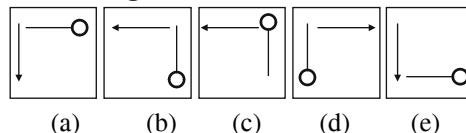
Answer Figures



90. **Problem Figures**

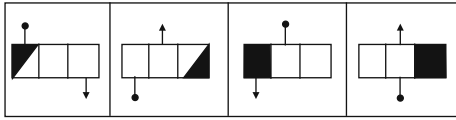


Answer Figures

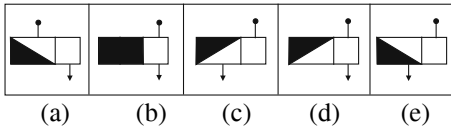


Directions (91-100) In each of the questions given below, which one of the five answer figures should come after the problem figure if the sequence was continued?

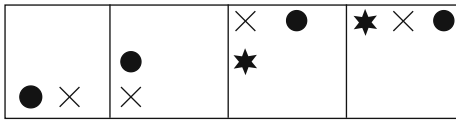
91. Problem Figures



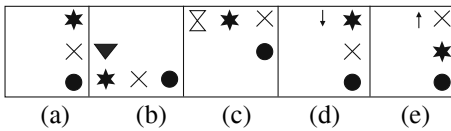
Answer Figures



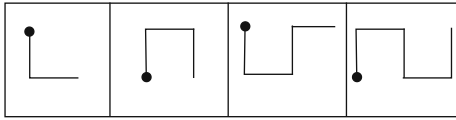
92. Problem Figures



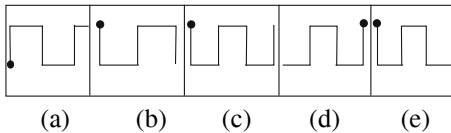
Answer Figures



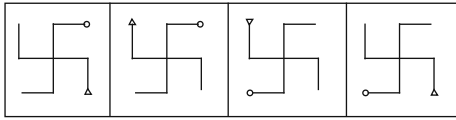
93. Problem Figures



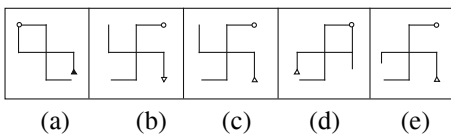
Answer Figures



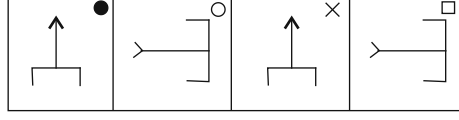
94. Problem Figures



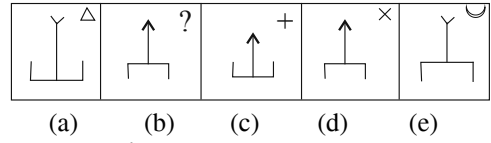
Answer Figures



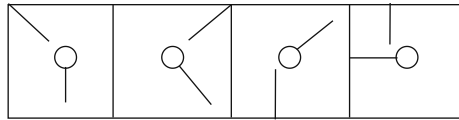
95. Problem Figures



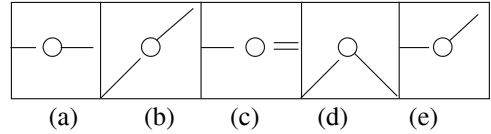
Answer Figures



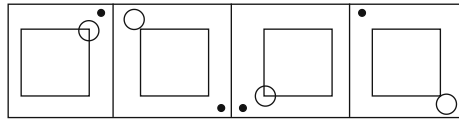
96. Problem Figures



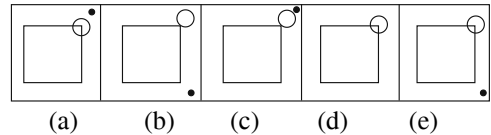
Answer Figures



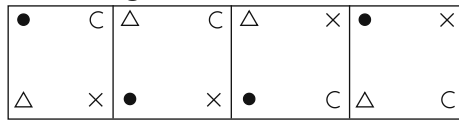
97. Problem Figures



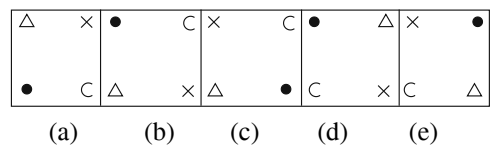
Answer Figures



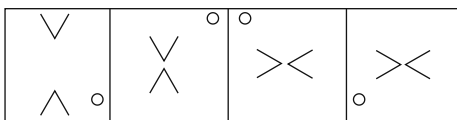
98. Problem figures



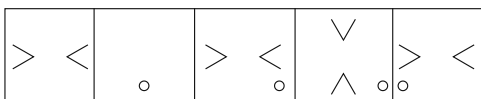
Answer Figures



99. Problem Figures

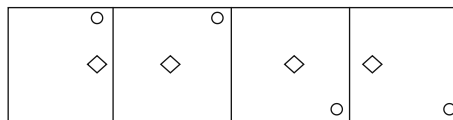


Answer Figures

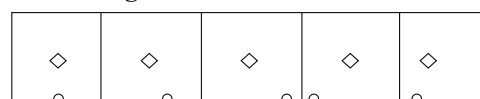


(a) (b) (c) (d) (e)

100. Problem Figures



Answer Figures



(a) (b) (c) (d) (e)

Answers

- | | | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| 1. (a) | 2. (c) | 3. (b) | 4. (c) | 5. (b) | 6. (b) | 7. (a) | 8. (c) | 9. (a) | 10. (a) |
| 11. (c) | 12. (a) | 13. (d) | 14. (a) | 15. (a) | 16. (c) | 17. (c) | 18. (d) | 19. (b) | 20. (c) |
| 21. (b) | 22. (c) | 23. (a) | 24. (c) | 25. (d) | 26. (a) | 27. (e) | 28. (e) | 29. (b) | 30. (b) |
| 31. (c) | 32. (d) | 33. (c) | 34. (a) | 35. (a) | 36. (d) | 37. (b) | 38. (a) | 39. (b) | 40. (c) |
| 41. (a) | 42. (b) | 43. (c) | 44. (d) | 45. (c) | 46. (b) | 47. (e) | 48. (b) | 49. (b) | 50. (c) |
| 51. (c) | 52. (c) | 53. (c) | 54. (a) | 55. (b) | 56. (b) | 57. (a) | 58. (d) | 59. (e) | 60. (a) |
| 61. (d) | 62. (a) | 63. (e) | 64. (c) | 65. (c) | 66. (a) | 67. (a) | 68. (e) | 69. (b) | 70. (c) |
| 71. (b) | 72. (a) | 73. (b) | 74. (a) | 75. (c) | 76. (b) | 77. (d) | 78. (d) | 79. (d) | 80. (a) |
| 81. (b) | 82. (c) | 83. (a) | 84. (c) | 85. (b) | 86. (a) | 87. (a) | 88. (c) | 89. (b) | 90. (c) |
| 91. (d) | 92. (d) | 93. (e) | 94. (c) | 95. (b) | 96. (a) | 97. (a) | 98. (b) | 99. (d) | 100. (e) |