

Directions (Q.1 to Q.3): Find the missing term.

1. 3, 20, 63, 144, 275, ?
(1) 354 (2) 468 (3) 548 (4) 554
2. 2, 3, 3, 5, 10, 13, ?, 43, 172, 177
(1) 23 (2) 38 (3) 39 (4) 40
3. YEB, WFD, UHG, SKI, ?
(1) QOL (2) QOL (3) TOL (4) QNL
4. Find the wrong term in the following sequence.
G1T, J2R, N7P, P21N, S88L, V445
(1) P21N (2) S88L (3) N7P (4) V445J

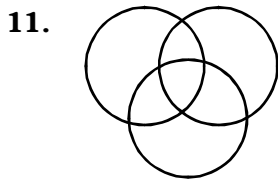
Directions (Q. 5 to Q.7): In the following questions, there is a relationship between the two figures on the left of the sign (::). The same relationship exists between the figures to the right of the sign (::) of which one is missing. Find the missing one from the alternatives.

5. 49 : 81 :: 64 : ?
(1) 81 (2) 36 (3) 100 (4) 121
6. 42 : 56 :: 110 : ?
(1) 132 (2) 100 (3) 121 (4) 99
7. QDXM : SFWL :: UIOT : ?
(1) VKPU (2) TJQV (3) SGPU (4) WKNS

Directions (Q.8 to Q.10): In the following questions, four items (numbers/ number pairs/ letter groups) are given. Three of them are alike in a certain way and one is different. Find the odd one out from the alternatives.

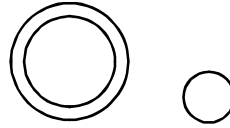
8. (1) 126 (2) 513 (3) 345 (4) 730
9. (1) 34-12 (2) 43-30 (3) 52-21 (4) 63-19
10. (1) DECB (2) GDFE (3) HKIJ (4) JFHG

Directions(Q.11 to Q.12): In each of the following questions, patterns of circles are used to represent the relationship among different items. Each circle represents an item. Which one of these relationships among the items is not represented by the patterns of circles given in each question?



- (1) Oxygen, Air, Water
- (2) Maids, Women, Doctors
- (3) Students, Boys, Players
- (4) Musicians, Singers, Women

12.



- (1) Fruits, Apples, Tomatoes
- (2) Sea, Islands, Mountains
- (3) Tigers, Carnivores, Elephants
- (4) Fathers, Males, Doctors

13. If the word GERMINATION is coded as IMGRENNOAIT, how the word ESTABLISHED will be coded?

- (1) BEATSLDEIHS (2) BAETSLEDHIS
- (3) BATESLDEIHS (4) BAETSLDEIHS

14. If the word RUSTICATE is coded as QTTUIDBSD, how the word STATISTIC will be coded?

- (1) RSBUJTUHB (2) RSBUITUHB
- (3) RSBUIRSJD (4) TUBUITUMB

15. In a certain code language, the sentences written in Column I are coded as sentences written in Column II, but the sequence of words is different. Decode the sentences and find how will you write what you like in coded language?

Column I	Column II
what was it	lee ra de
you go	mo nil
you like it	nil pom ra
she was sick	Tok lee fo

- (1) nil ra lee (2) pom nil ra
- (3) pom ra lee (4) nil pom de

16. In a certain office, 1/3 of the workers are women, 1/2 of the women are married and 1/3 of the married women have Children. If 3/4 of the men are married and 2/3 of the married men have children, what part of the workers is without children?

- (1) 5/18 (2) 4/9
- (3) 11/18 (4) 17/36

17. In a queue, A is Eighteenth from the front while B is Sixteenth from the back. If C is Twenty Fifth from the front and exactly in the middle of A and B, then how many persons are there in the queue?

- (1) 45 (2) 46 (3) 47 (4) 48

18. How many such pairs of digits are there in the number 531268947 each of which has as many digits between them in the number as when they are arranged in descending order?

- (1) Two (2) Three (3) Four (4) Six

19. Arrange the given words in the sequence in which they occur in the English dictionary and then choose the correct sequence.

1. Miniscule 2. Minimalis
3. Minority 4. Miniature
5. Ministerial

- (1) 4, 2, 5, 1, 3 (2) 4, 2, 1, 3, 5
(3) 4, 2, 1, 5, 3 (4) 4, 2, 3, 1, 5

Directions (Q.20 & Q.21) : Study the information given below and answer the questions that follow:

A + B means A is Daughter of B;
A × B means A is Son of B;
and A - B means A is Wife of B.

20. If T - S × B - M, which of the following is not true.

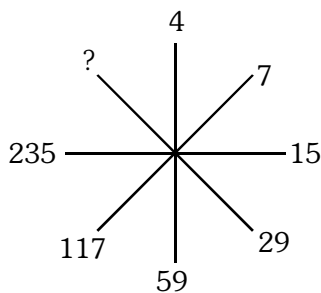
- (1) B is the Mother of S
(2) M is the Husband B
(3) T is the Wife of S
(4) S is the Daughter of M

21. If Z × T - S × U + P, How is U related to Z ?

- (1) Mother (2) Father
(3) Grand mother (4) Daughter

Directions (Q. 22 to Q.24): Find the missing character / number in each of the following questions:

22.



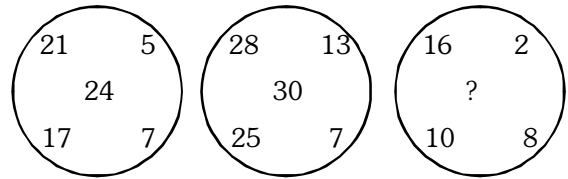
- (1) 327 (2) 386 (3) 438 (4) 469

23.

CK	16	9	JR
OS	24	19	TX
KM	?	?	PV

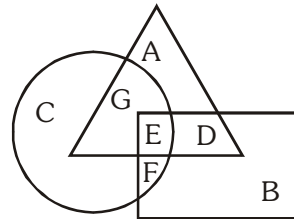
- (1) 14,21 (2) 21,14 (3) 56, 84 (4) 84,56

24.



- (1) 24 (2) 30 (3) 36 (4) 40

Directions (Q.25 to Q.27): Study the diagram and answer the questions that follow.



The Triangle in the above figure depicts women in villages, the Rectangle depicts the unemployed women and the Circle depicts the educated women.

25. Which region represents educated employed women in villages?

- (1) D (2) E (3) F (4) G

26. What does region D represent?

- (1) Unemployed women in villages
(2) Unemployed women in villages who are not educated
(3) Educated unemployed women
(4) Educated employed women

27. Which region represents educated unemployed women?

- (1) B and C (2) D and E
(3) E and F (4) G and E

28. A man walks 1 km towards East and then he turns to South and walks 5 km. Again he turns to East walks 2 km. After this he turns to North and walks 9 km. Now, how far is he from his starting point?

- (1) 3 km (2) 4 km (3) 5 km (4) 7 km

Directions (Q.29 to Q.31): Study the information given below and answer the questions that follow:

In a building, there are thirteen flats on three floors - II, III and IV, Five flats are unoccupied. Three managers, two teachers, two lawyers and one doctor occupy the remaining flats, there are at least three flats on any floor and not more than six flats on any floor. No two person of the same profession stay on any floor. On the II floor, out of four flats, one occupant is the lawyer and he has only one neighbor. One lawyer lives one floor below the other. The doctor is not the neighbor of any of the lawyers. No flat is unoccupied on the III floor.

29. How many flats are occupied on the IV floor?

- (1) Two (2) Three (3) Four (4) Five

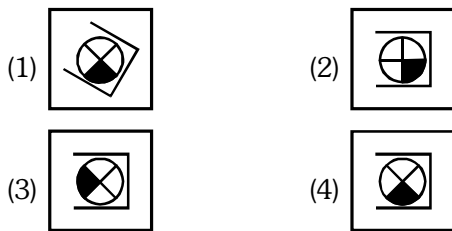
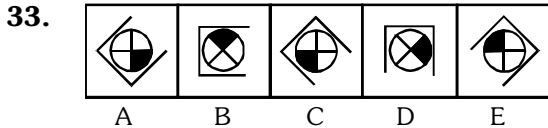
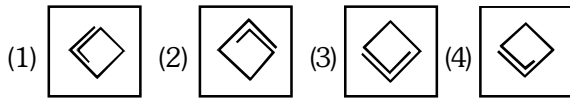
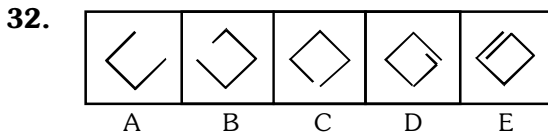
30. How many flats are there on the III floor?

- (1) Three (2) Four
- (3) Three or Four (4) Five

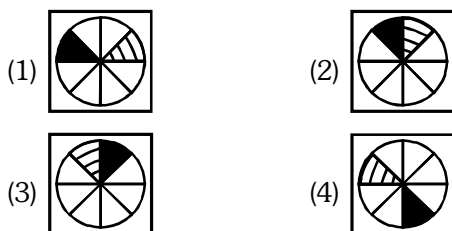
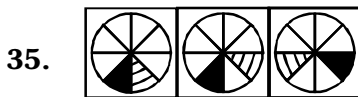
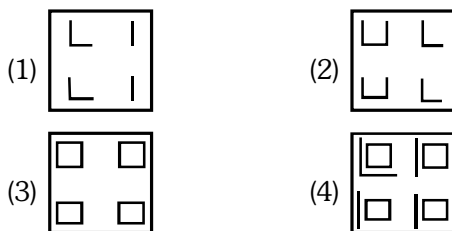
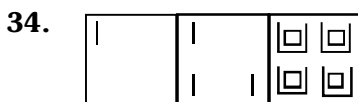
31. What is the combination of occupants on the II floor?

- (1) Lawyer, Teacher (2) Manager, Teacher
- (3) Manger, Doctor (4) Lawyer, Manager

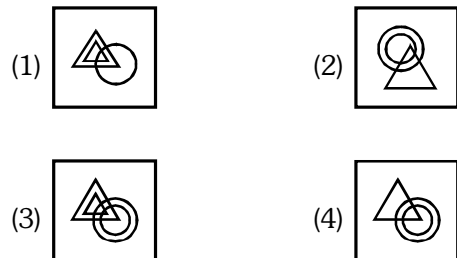
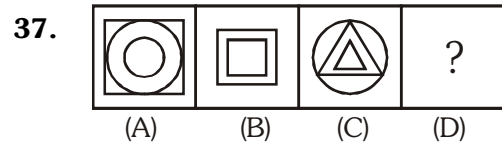
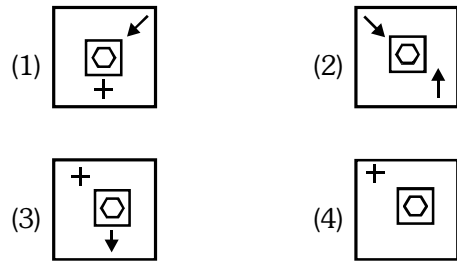
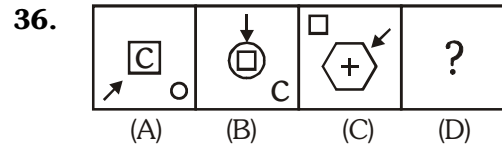
Directions(Q.32 & Q.33): The five figures marked as A, B, C, D & E in the following questions follow a series. Select a figure from the given alternatives marked as 1, 2, 3, 4 which will continue the same series.



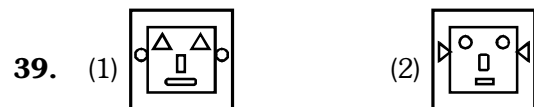
Directions (Q.34 & Q.35): In the following questions, find the one that does not fit into the series established by the seven figures given.

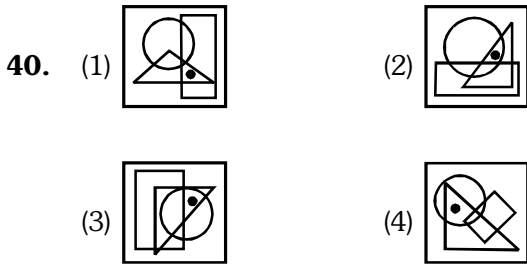


Directions (Q.36 to Q.37): In each of the following questions, there is a relationship between the figures A & B. Establish a similar relationship between C & D by choosing a suitable figure from the answer set 1, 2, 3 & 4 for the missing figure.

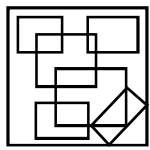


Directions (Q.38 to Q.40): In each of the following questions, four figures are given. Three of them are similar in certain manner. Find the odd one.

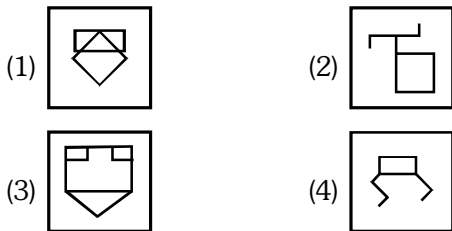




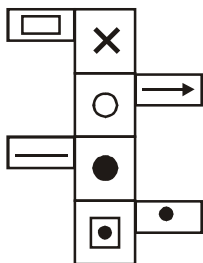
41. In the following question, find out which one of the following figures, 1, 2, 3 & 4, is embedded in the figure X ?



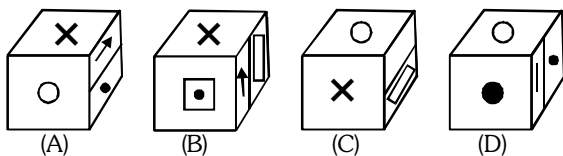
(X)



42. Select from the alternatives A, B, C and D, the cube that can be formed by folding the sheet shown in

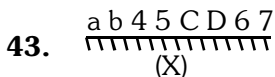


(X)

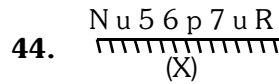


- (1) A and B only (2) A and C only
(3) C and D only (4) A, B, C and D

Directions (Q.43 & Q.44): In each of the following questions, choose the correct mirror image of the figure (X) from the alternatives 1, 2, 3, & 4 given along with it. The mirror is shown along the figure (X).

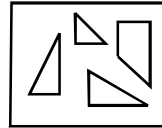


- (1) a p q r C D e Δ (2) s p q r C D e Δ
(3) s p r r C D 9 Δ (4) s p r r C D e Δ

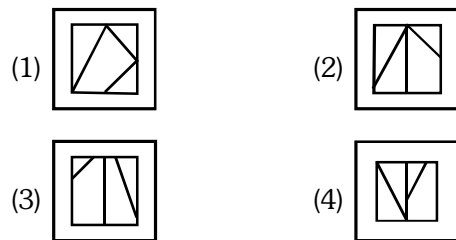


- (1) N u c d q r u R (2) R n r q d e n I
(3) R u r q d e n I (4) R u r d 9 e u I

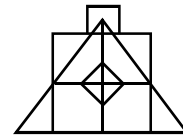
45. Find out which of the figures 1, 2, 3 and 4 can be formed from pieces given in figure X?



(X)



46. How many squares and triangles are there ?



- (1) 7, 18 (2) 8, 18
(3) 7, 21 (4) 8, 21

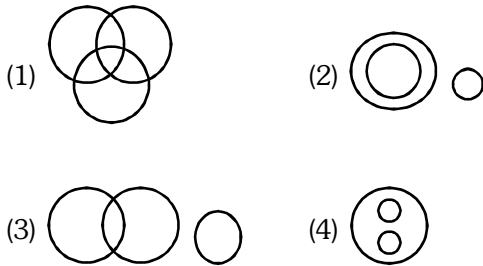
Directions (Q.47 to Q.50): Study the information given below and answer the questions that follow:

A bag contains coins of four different denominations, viz 1 rupee, 50 paise, 25 paise and 10 paise. There are as many 50 paise coins as the value of 25 paise coins in rupees. The value of 1 rupee coins is 5 times the value of 50 paise coins. The ration of 10 paise coins to that of 1 rupee coins is 4:3, while the total number of coins in the bag is 325.

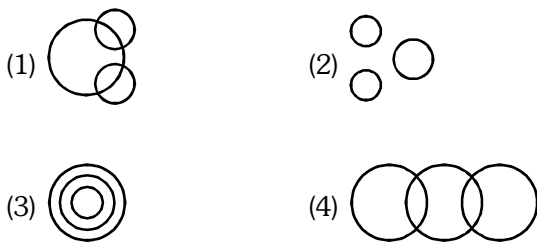
47. How many 10 paise coins are there in the bag?
(1) 25 (2) 50 (3) 75 (4) 100
48. What is the value of 50 paise coins?
(1) Rs 10 (2) Rs 15
(3) Rs. 20 (4) Rs. 30
49. What is the ratio of 50 paise coins to 25 paise coins?
(1) 1:4 (2) 2:5 (3) 2:32 (4) 1:3
50. What is the total value of coins in the bag?
(1) Rs 130 (2) Rs 140
(3) Rs 150 (4) Rs 160

Directions(Q.51 to Q.53): Choose the correct alternative that will continue the same pattern and replace the question mark in the given series.

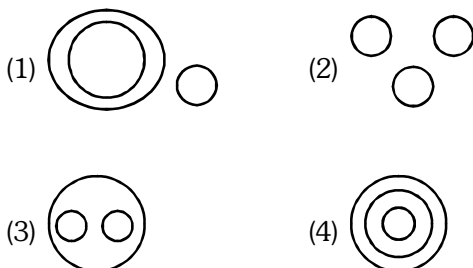
51. A, CD, GHI, ?, UVWXY
 (1) KLMN (2) LMNO
 (3) MNOP (4) NOPQ
52. ADVENTURE, DVENTURE, DVENTUR, ?, VENTU
 (1) VENTUR (2) VENTURE
 (3) DVENT (4) DVENTU
53. UPI, ?, ODP, MBQ, IAW
 (1) SIJ (2) SHJ
 (3) RHJ (4) TIJ
54. Which of the following diagrams indicates the relation between Judge, Thieves and Criminals ?



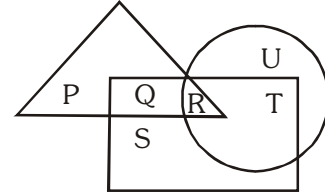
55. Which of the following diagrams indicates the relation between Iron, Lead and Nitrogen?



56. Which of the following diagrams indicates the relation between Bulb, Lamp and Light ?

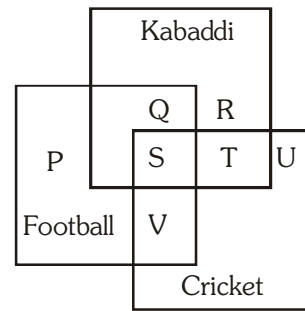


57. In the following figure, triangle represents 'girls', square represents 'players' and circle represents 'coach'. Which part of the diagram represents the girls who are players but not coach ?



- (1) P (2) Q (3) R (4) S

58. The diagram given below represents those students who play Cricket, Football and Kabaddi. Study the diagram and identify the students who play all three games.



- (1) P + Q + R (2) V + T
 (3) S + T + V (4) S

Directions(Q.59 to Q.62): P, Q, R, S, T, U, V and W are sitting round the circle and are facing the centre:

- P is second to the right of T who is the neighbour of R and V.
- S is not the neighbour of P.
- V is the neighbour of U.
- Q is not between S and W, and W is not between U and S.

Answer the questions from the above sitting arrangement.

59. Who two of the following are not neighbours ?
 (1) RV (2) UV
 (3) RP (4) QW
60. Who is immediate right to the V ?
 (1) P (2) U (3) R (4) T

61. Which of the following is correct ?
 (1) P is to the immediate right of Q
 (2) R is between U and V
 (3) Q is to the immediate left of W
 (4) U is between W and S
62. What is the position of S ?
 (1) Between U and V
 (2) Second to the right of P
 (3) To the immediate right of W
 (4) Data inadequate

Directions(Q.63 to Q.66): Five girls are sitting on a bench to be photographed Seema is to the left of Rani and to the right of Bindu, Mary is to the right of Rani. Reeta is between Rani and Mary. Answer the questions from the above sitting arrangement.

63. Who is sitting immediate right to Reeta ?
 (1) Bindu (2) Rani
 (3) Mary (4) Seema
64. Who is in the middle of the photograph ?
 (1) Bindu (2) Rani
 (3) Reeta (4) Seema
65. Who is second from the right in the photograph ?
 (1) Mary (2) Rani
 (3) Reeta (4) Bindu
66. Who is second from the left in photograph ?
 (1) Reeta (2) Mary
 (3) Bindu (4) Seema

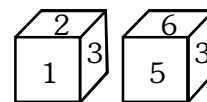
Directions(Q.67 to Q.69): Choose the word which is different from the rest.

67. (1) Producer (2) Director
 (3) Investor (4) Financer
68. (1) Calendar (2) Year
 (3) Day (4) Month
69. (1) Mumbai (2) Cochin
 (3) Kandla (4) Mysore
70. If A + B means A is the father of B; A-B means A is the brother B; A % B means A is the wife of B and A × B means A is the mother of B, which of the following shows that M is the maternal grandmother of T ?
 (1) M × N % S + T (2) M × N - S % T
 (3) M × S - N % T (4) M × N × S % T

71. 1. B5D means B is the father of D.
 2. B9D means B is the sister of D.
 3. B4D means B is the brother of D.
 4. B3D means B is the wife of D.
 Which of the following means F is the mother of K?
 (1) F3M5K (2) F5M3K
 (3) F9M4N3K (4) F3M5N3K
72. If POND is coded RSTL how is HEAR written in the code ?
 (1) GHIJ (2) JIGZ
 (3) GHIZ (4) None of these
73. If SPIDER is coded as PSDIRE, how is COMMON written in that code ?
 (1) OCMMNO (2) OCMMOO
 (3) OCMOON (4) OCMOMN

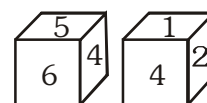
Directions(Q.74 to Q.76): All the six members of a family A, B, C, D, E & F are staying together. B is the son of C but C is not the mother of B. A & C are married couple. E is the brother of C. D is the daughter of A. F is the brother of B.

74. How many male members are there in the family ?
 (1) 1 (2) 2 (3) 3 (4) 4
75. Who is the mother of B ?
 (1) D (2) F (3) A (4) E
76. How many children does A have ?
 (1) 1 (2) 3 (3) 2 (4) 4
77. Which digit will appear on the face opposite to the face with number 3 ?



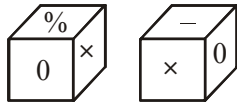
- (1) 4 (2) 5 (3) 6 (4) 2

78. Which number is on the face opposite to 6 ?



- (1) 4 (2) 1 (3) 2 (4) 3

79. Which sign will be opposite to '+' ?

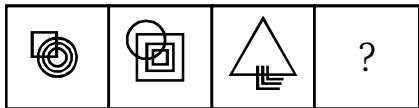


- (1) % (2) - (3) x (4) \$

Directions(Q.80 to Q.87): Find out the alternative which will replace the question mark.

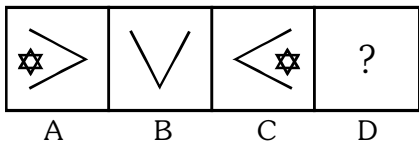
80. AZBY : CXDW :: EVFU : ?
 (1) GTHS (2) GHTS (3) GSTH (4) TGSB
81. ZRYQ : KCJB :: PWOV : ?
 (1) GBHA (2) ISJT (3) ELDK (4) EOFP
82. Computer : fpxrvht :: Language : ?
 (1) oxpidxg (2) ocqicyig
 (3) ocqixcig (4) ocqixcig
83. ACEG : ? :: BDFH : KMOQ
 (1) NLPR (2) LMNO
 (3) JLNP (4) JNLO
84. $M \times N : 13 \times 14 :: F \times R : ?$
 (1) 14×15 (2) 5×17
 (3) 6×18 (4) 7×19
85. Conference : Chairman :: Newspaper : ?
 (1) Reporter (2) Distributor
 (3) Printer (4) Editor

86. Problem figures



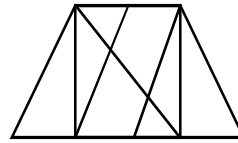
- (1) (2)
- (3) (4)

87. Problem Figures



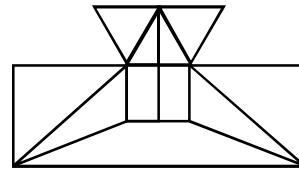
- (1) (2)
- (3) (4)

88. Find the number of triangle in the figure below.
 Problem figure



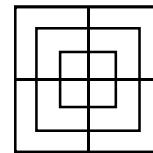
- (1) 8 (2) 10 (3) 12 (4) 14

89. Find the minimum number of straight lines required to make the given figure.



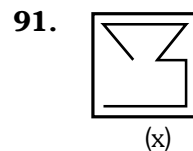
- (1) 16 (2) 17 (3) 18 (4) 19

90. Count the number of squares in the given figure.

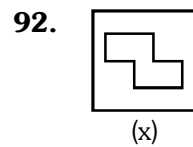


- (1) 8 (2) 12 (3) 15 (4) 18

Direction (Q.91 & Q.92) : Find out the alternative figure which contains figure (x) as its part.

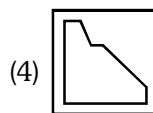
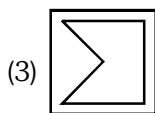
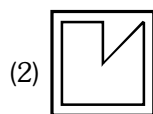
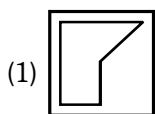
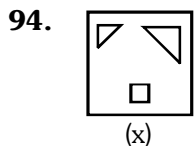
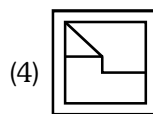
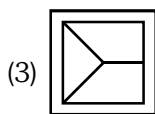
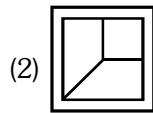
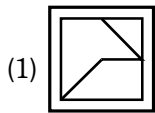
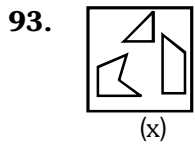


- (1) (2) (3) (4)

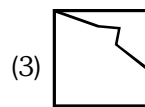
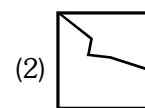
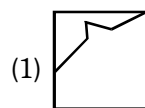
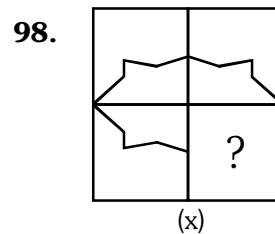
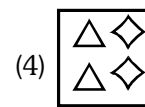
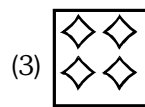
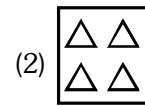
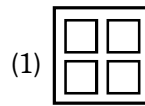
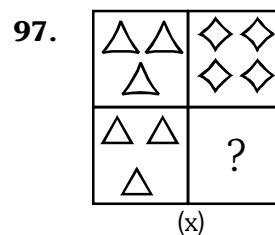
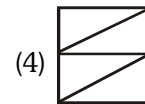
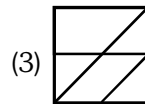
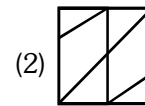
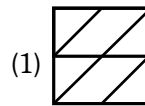
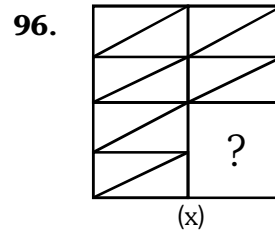
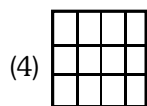
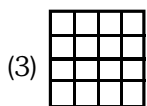
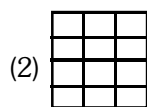
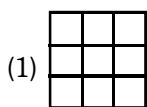
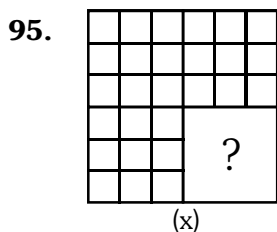


- (1) (2) (3) (4)

Directions(Q.93 & Q.94): Find out which of the figures (1), (2), (3) and (4) can be formed from the pieces given in figure (x).



Directions(Q.95 to Q.98): Identify the figure that completes the pattern (x).



Directions(Q.99 & Q.100): In these series, there are both letter pattern and number pattern. Fill the blank in series.

99. $ZA_5, Y_4B, XC_6, W_3D, ?$

- (1) E_7V (2) V_2E (3) VE_5 (4) VE_7

100. $DEF, DEF_2, DE_2F_2, ?, D_2E_2F_3$

- (1) DEF_3 (2) D_3EF_3 (3) D_2E_3F (4) $D_2E_2F_2$