

MENTAL ABILITY TEST

Q. 1 and 2 : **Directions—** In each of the following questions write which term in sequence replaces the question mark?

1. BJ, DL, HP, PX, ?

(1) FN

(2) FX

(3) TB

(4) VD

2. AYCD, EUGH, IQKL. ?

(1) AYCD

(2) BXDE

(3) MNAB

(4) MZBC

Q. 3 and 5 : **Directions—** Find the odd term

3. (1) 141

(2) 101

(3) 107

(4) 131

4. (1) 6131

(2) 2191

(3) 3312

(4) 3164

SPACE FOR ROUGH WORK

5. (1) DHLP

(2) FNUB

(3) BDFH

(4) KVGR

6. In the following question a specific group of numbers is given. From the given alternatives, find out the right number which matches the given group.

341, 572, 781

(1) 634

(2) 891

(3) 909

(4) 990

7. In a mathematical language if + means \div , - means \times , \div means + and \times means - are used then,

$$(200 + 5) \div 25 \div (20 - 5) \times 10 = ?$$

(1) 125

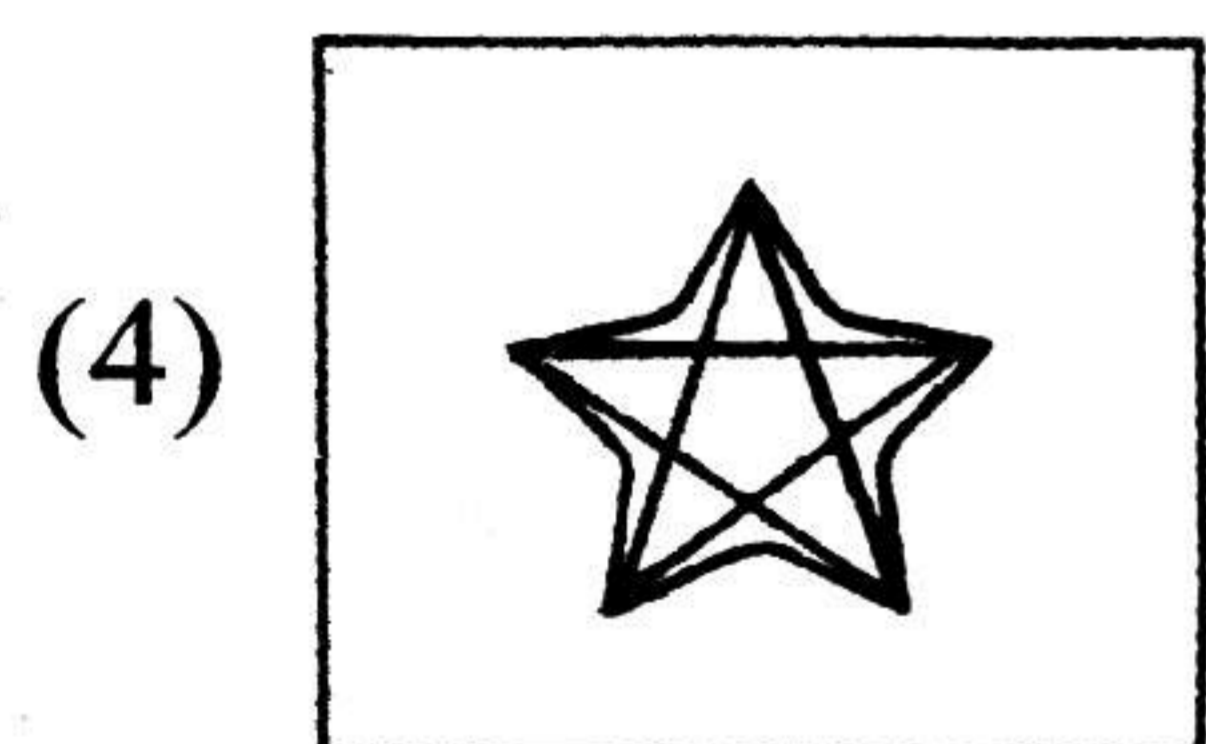
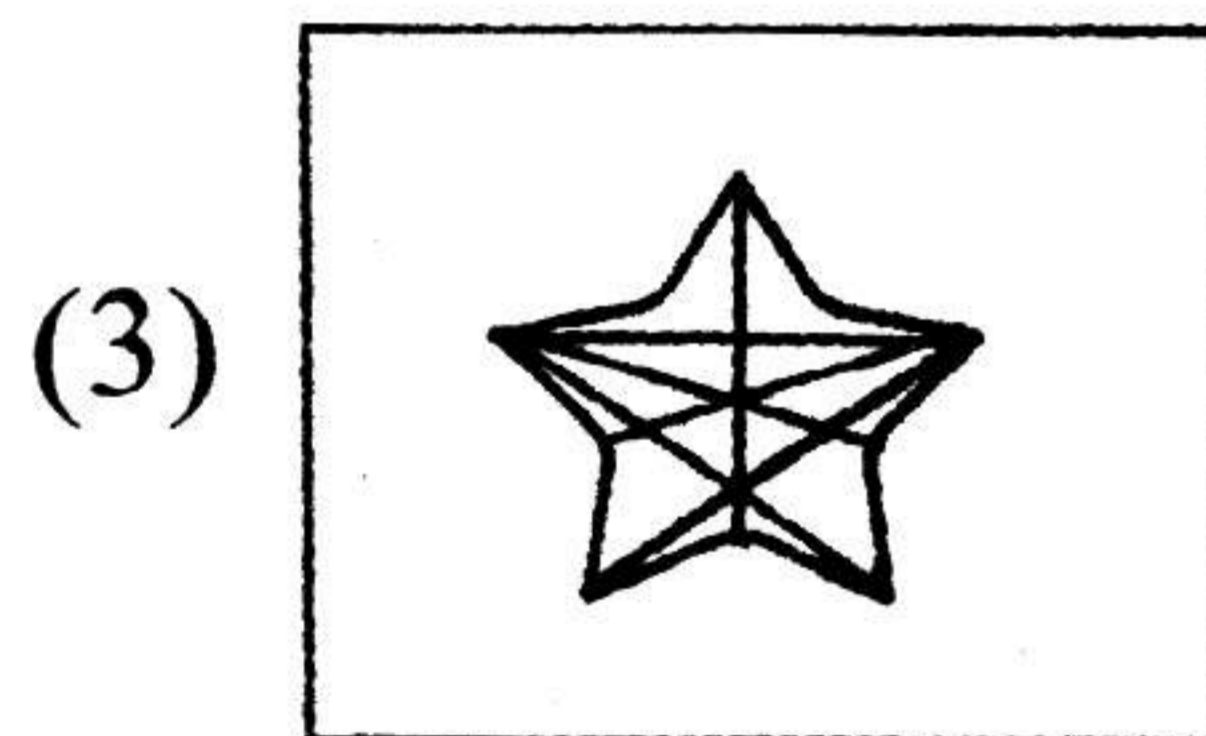
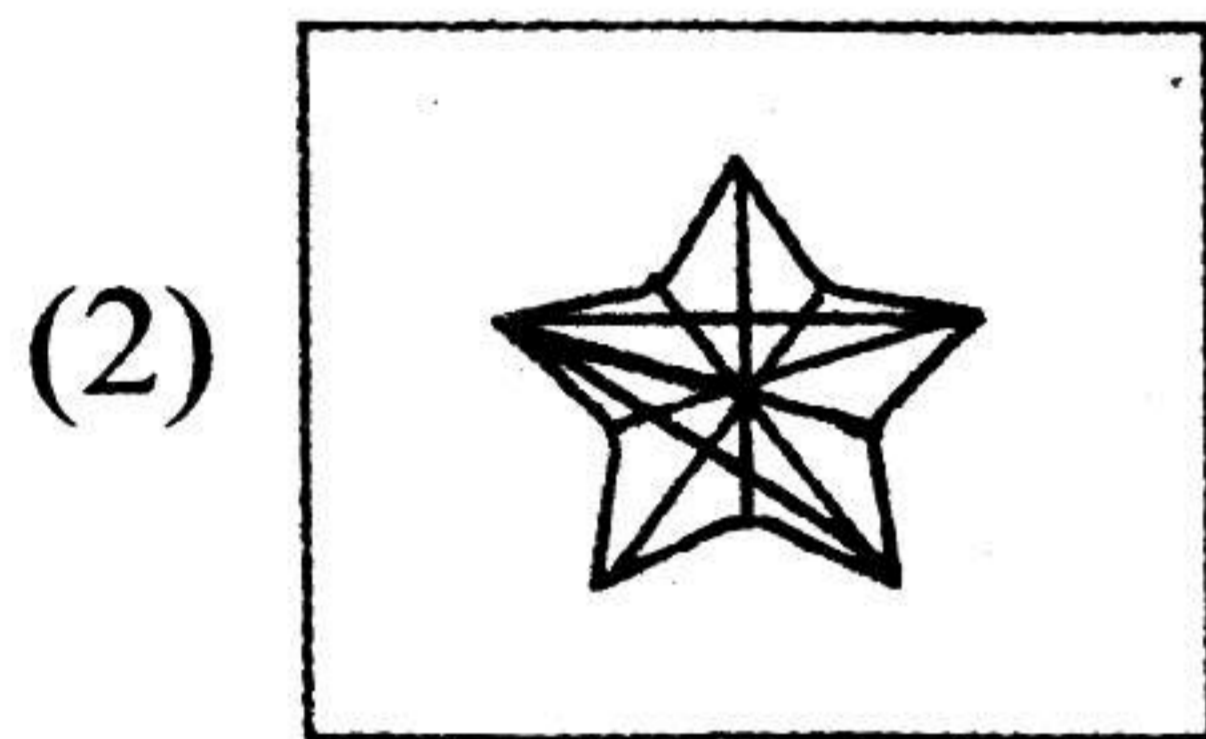
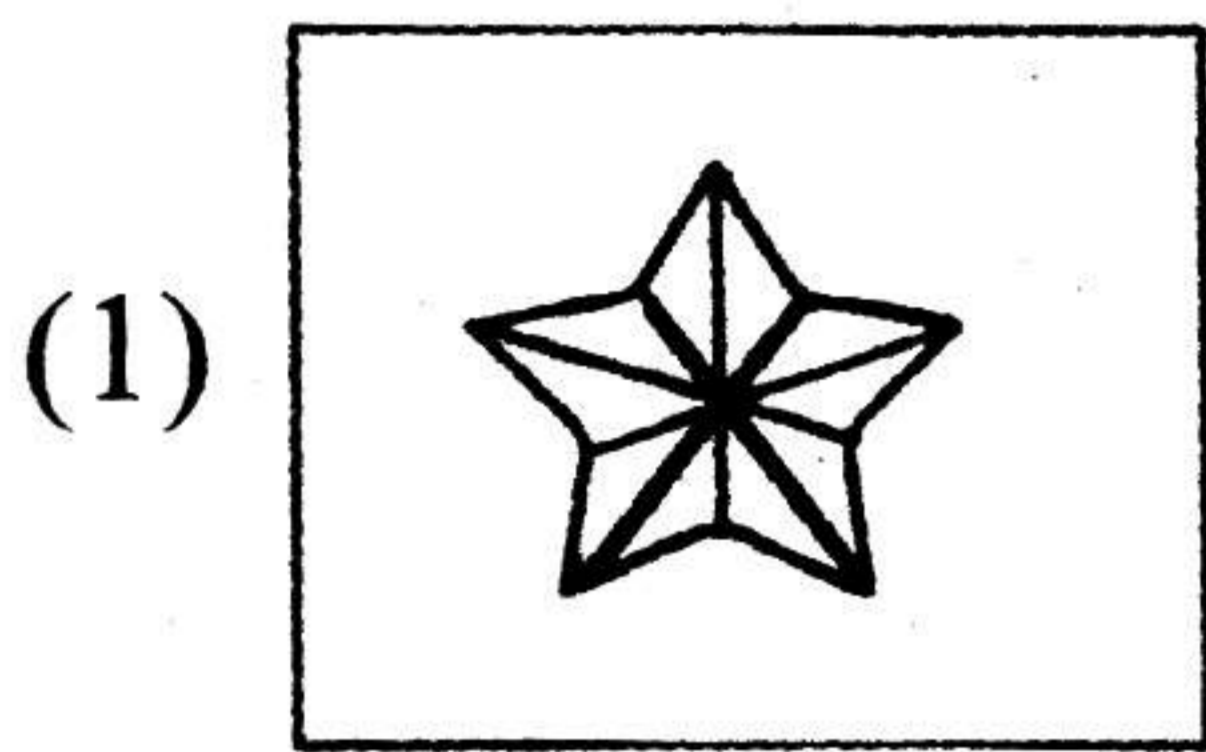
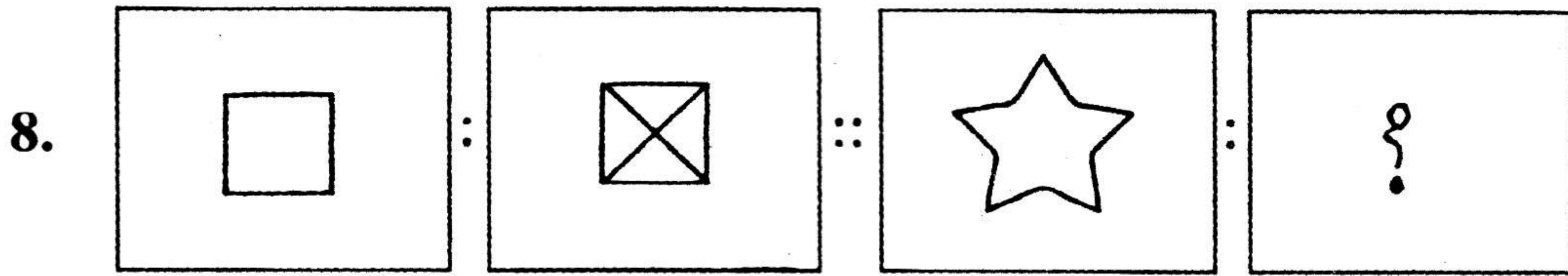
(2) 100

(3) 155

(4) 40

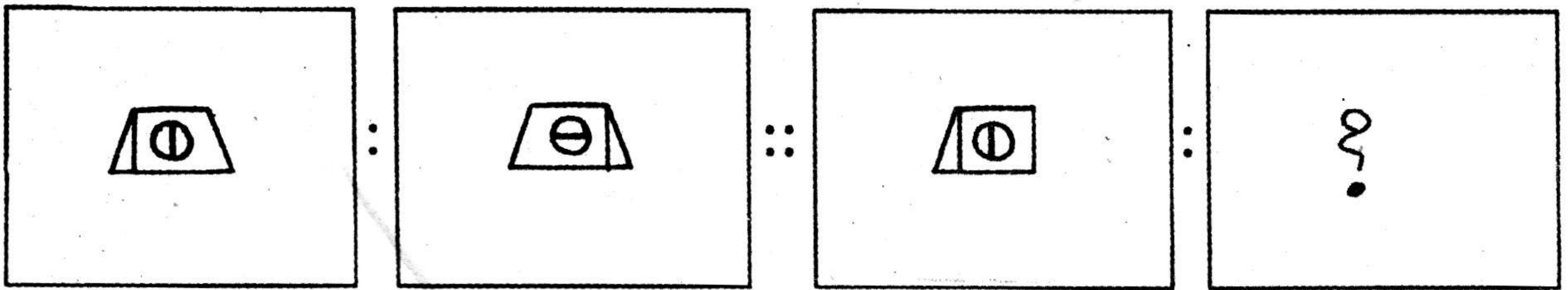
SPACE FOR ROUGH WORK

Q. 8 and 9 : **Directions—** In each of the following questions there is a specific relationship between the first and second figure. The same relationship exists between the third and the fourth figure which will replace the question mark. Select the correct term from the given alternatives.

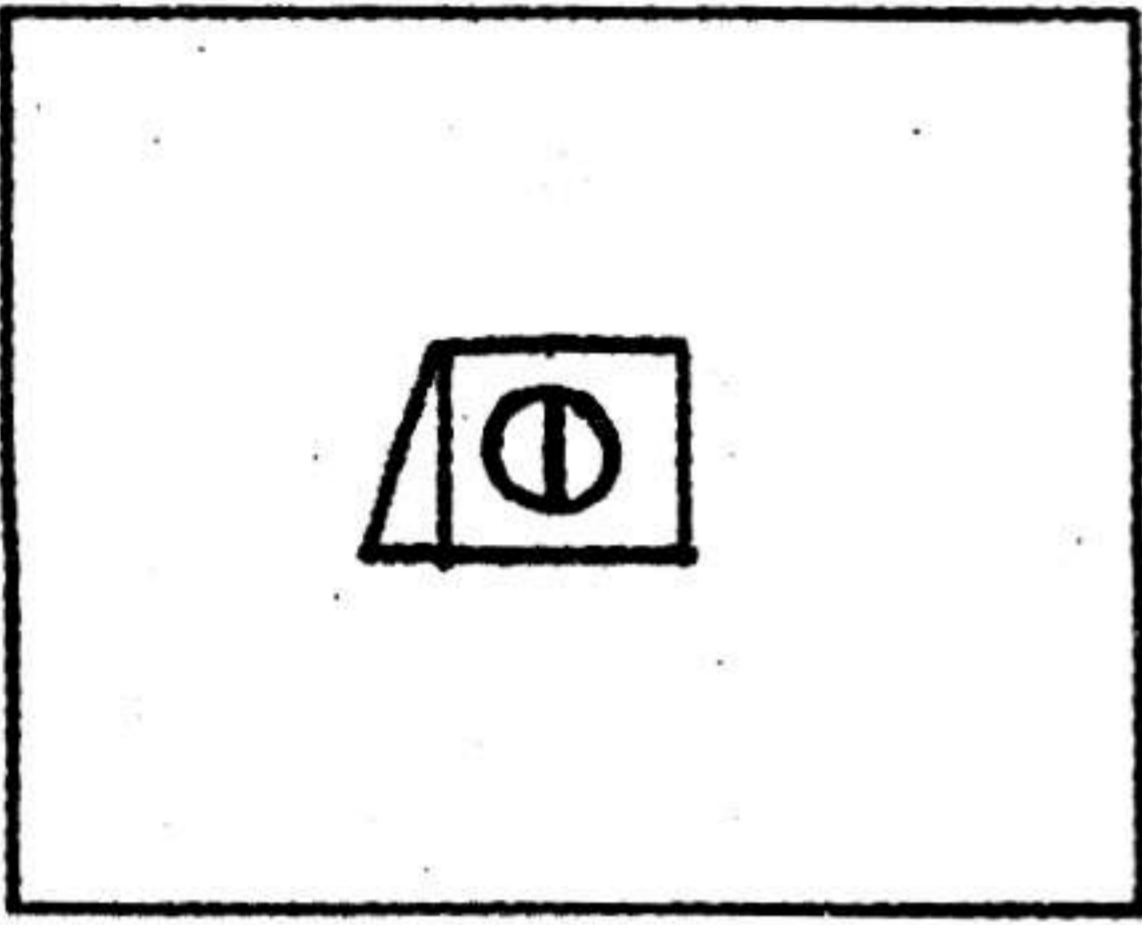


SPACE FOR ROUGH WORK

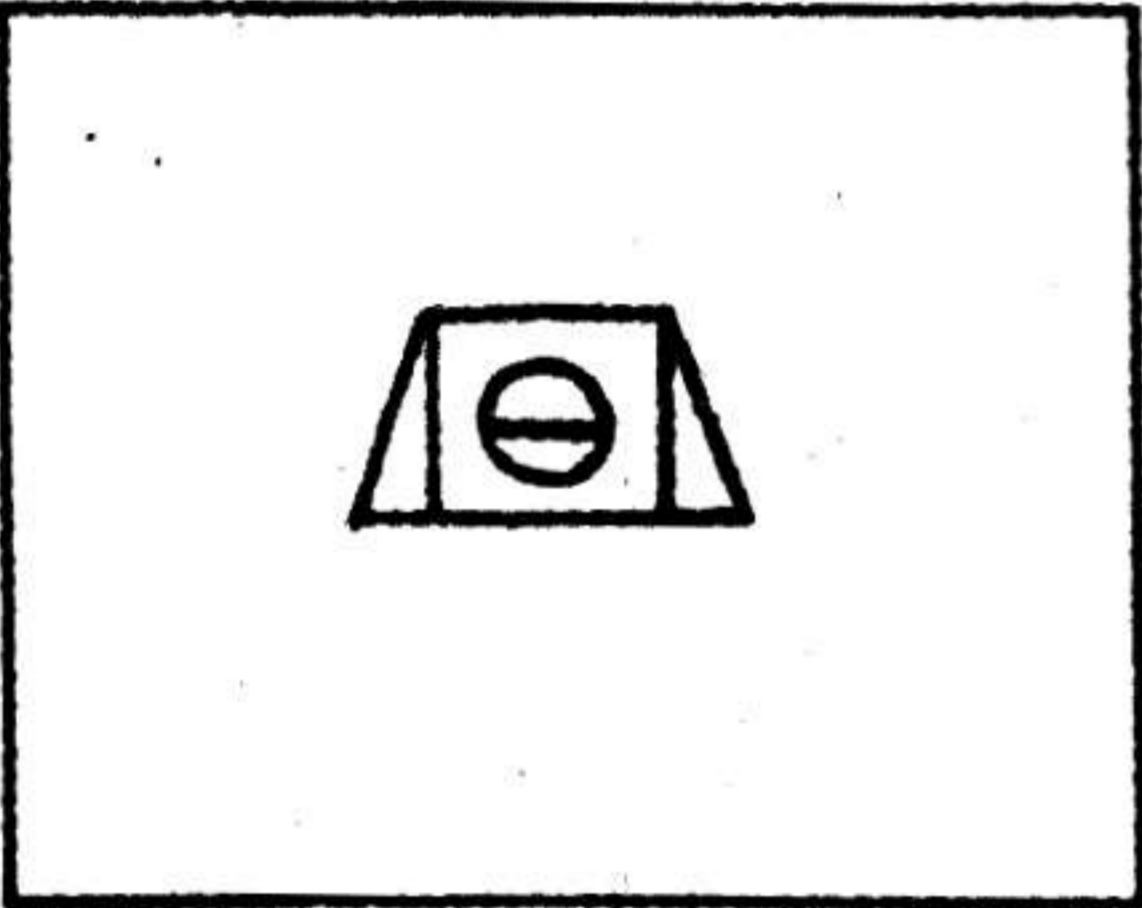
9.



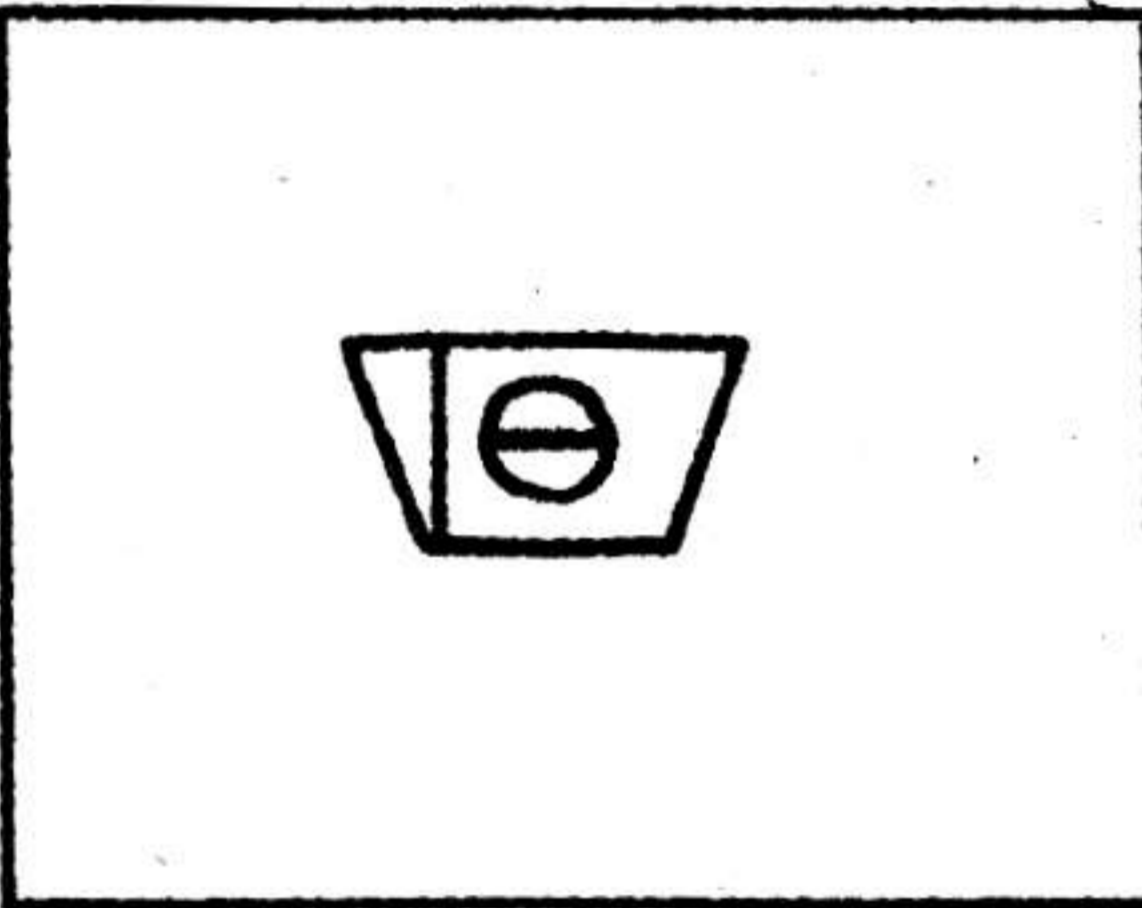
(1)



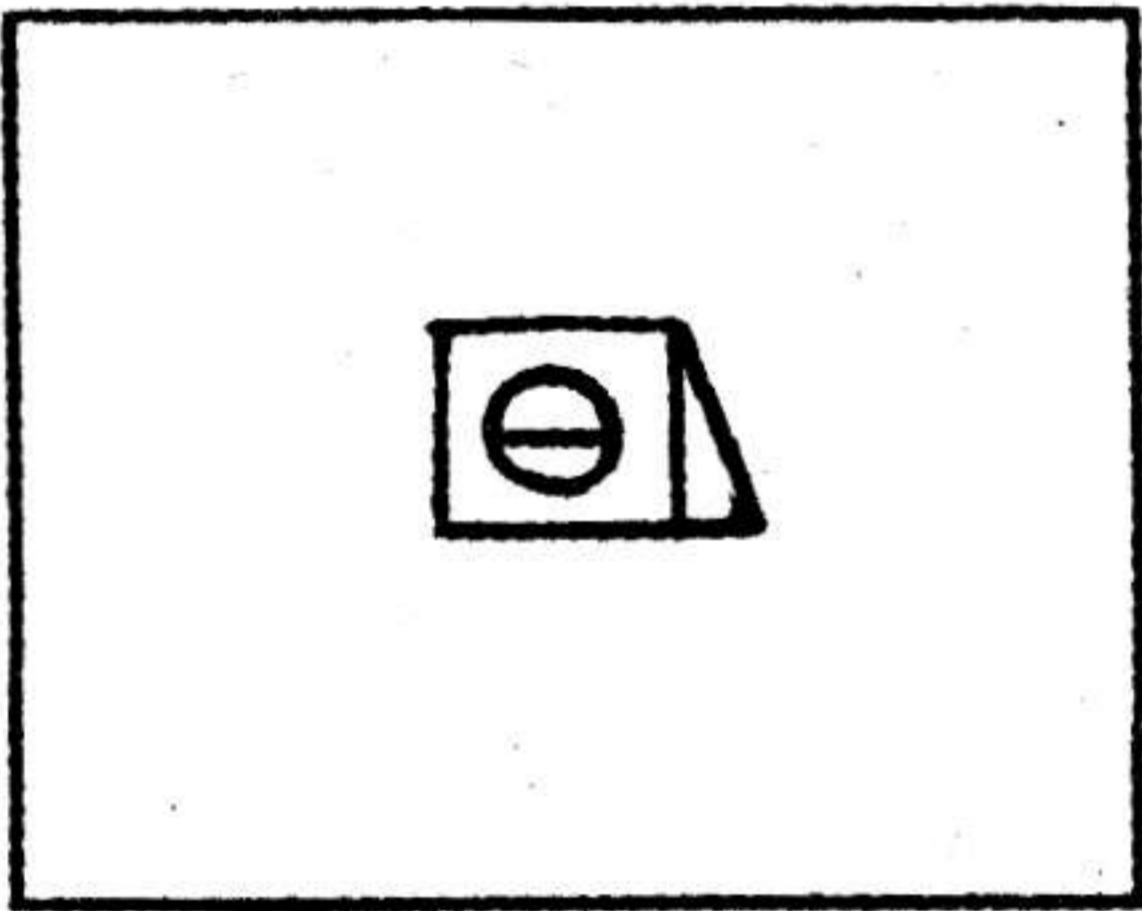
(2)



(3)



(4)

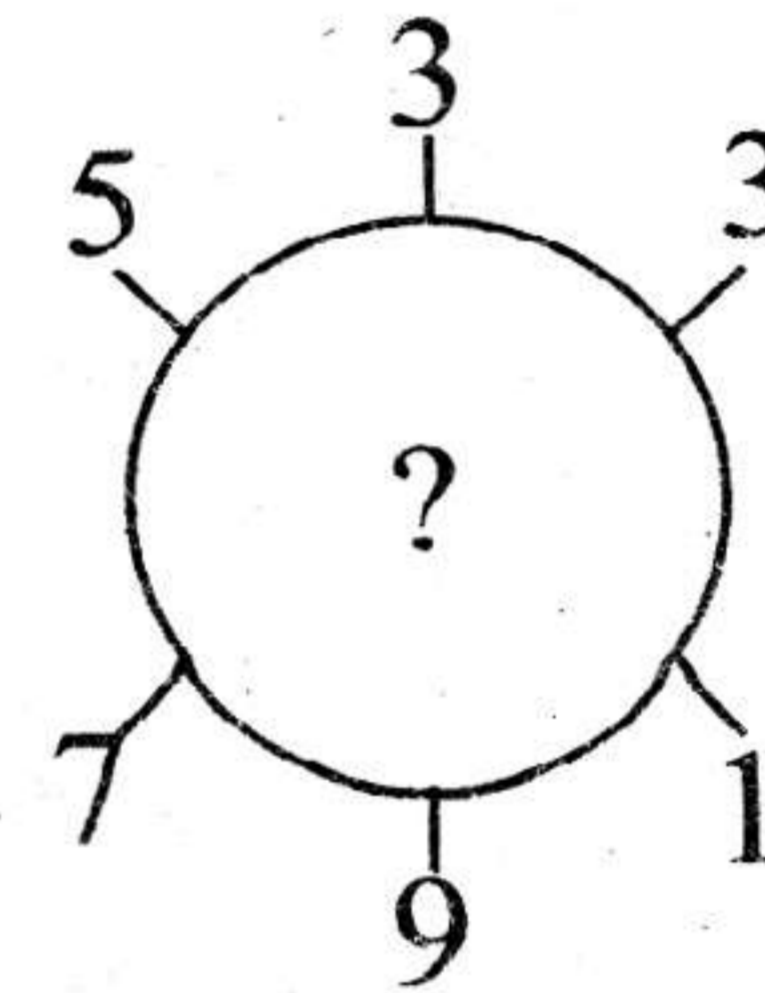
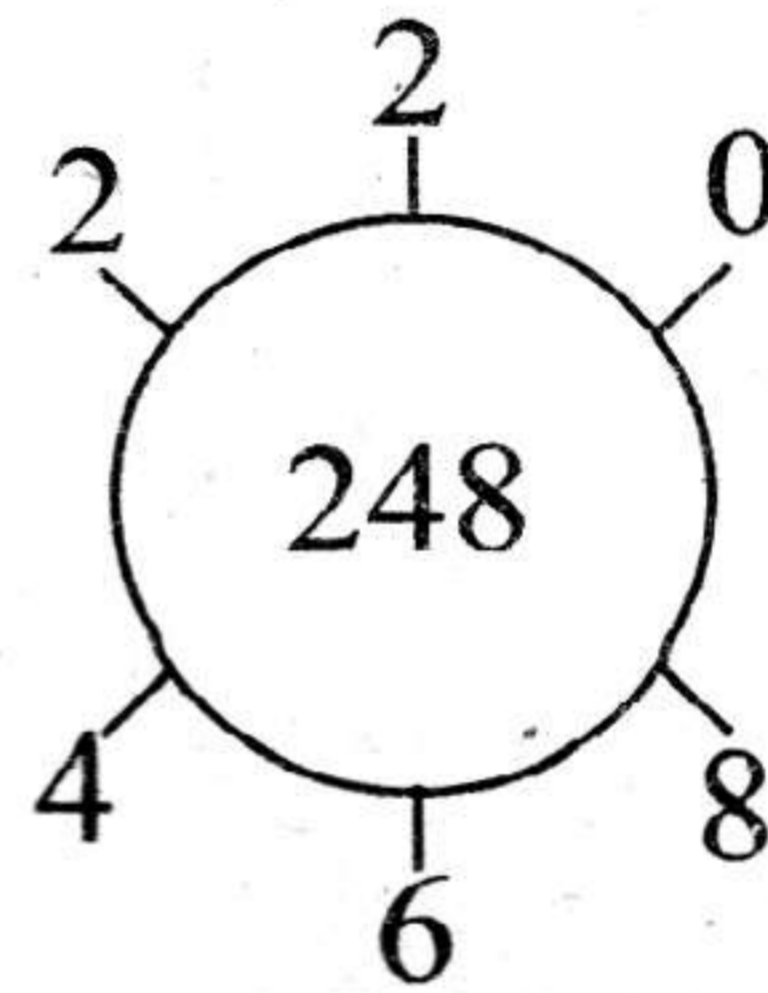
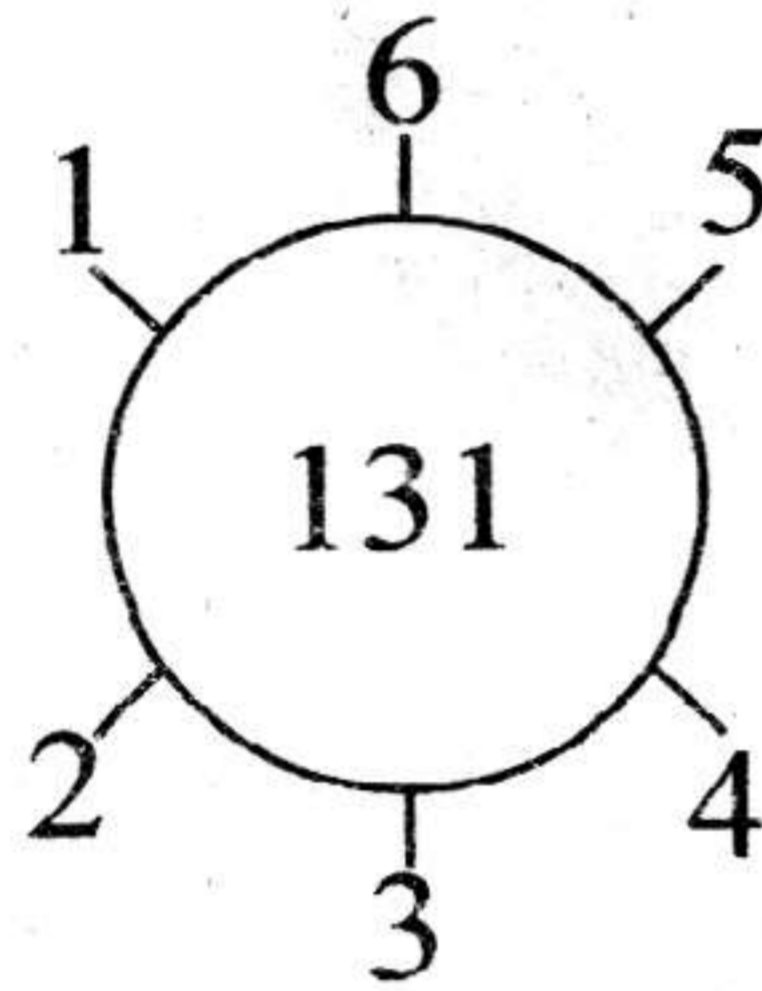


SPACE FOR ROUGH WORK

10. Six teachers of a workshop have sat down for a photo session as shown below. A is sitting in between K and S. M is at a corner. There is no one sitting in between N and S. Then where is the person 'J' sitting?

- (1) At the central position between K and M
- (2) At the central position between N and A
- (3) At the central position between S and K.
- (4) At the central position between M and A.

11. Find out the correct number from the given alternatives to replace the question mark.



(1) 132

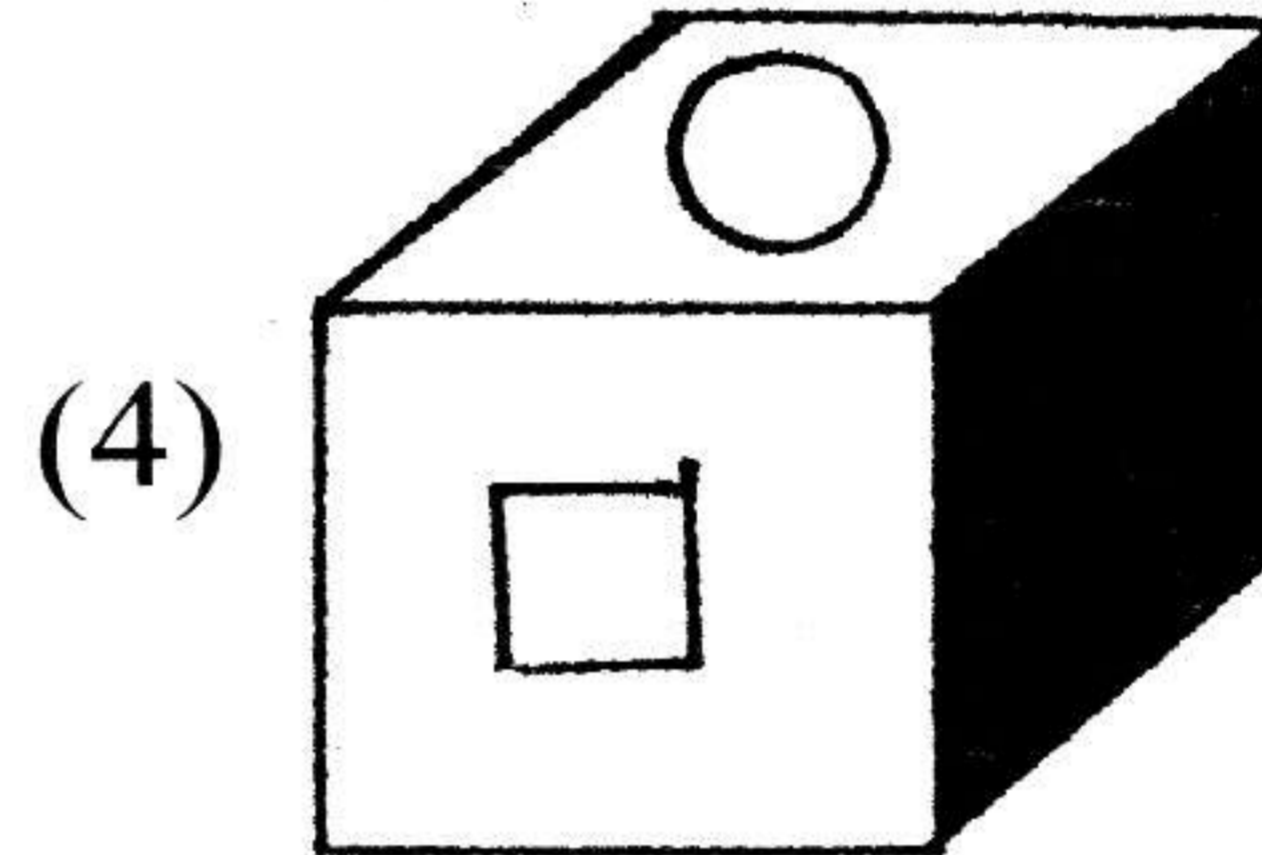
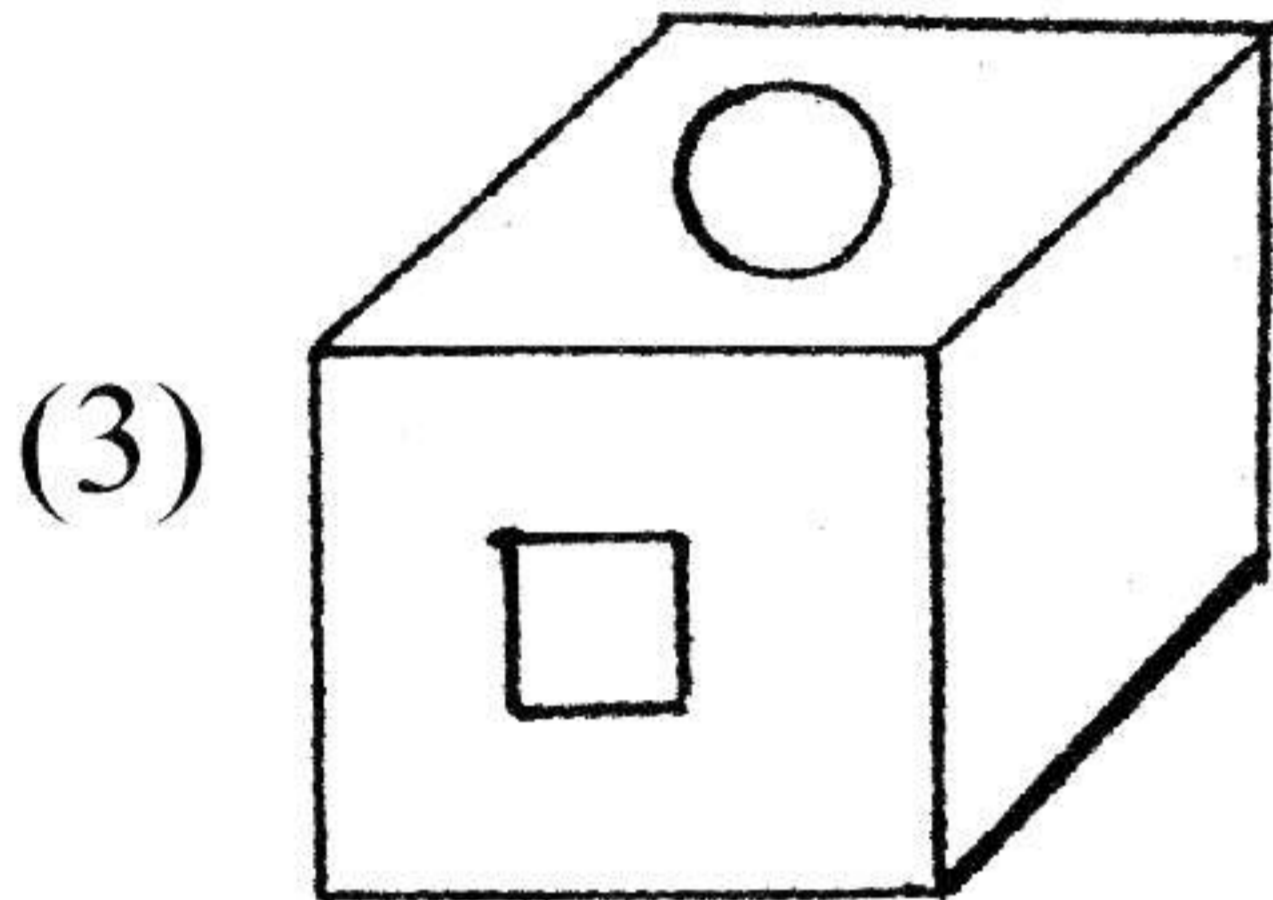
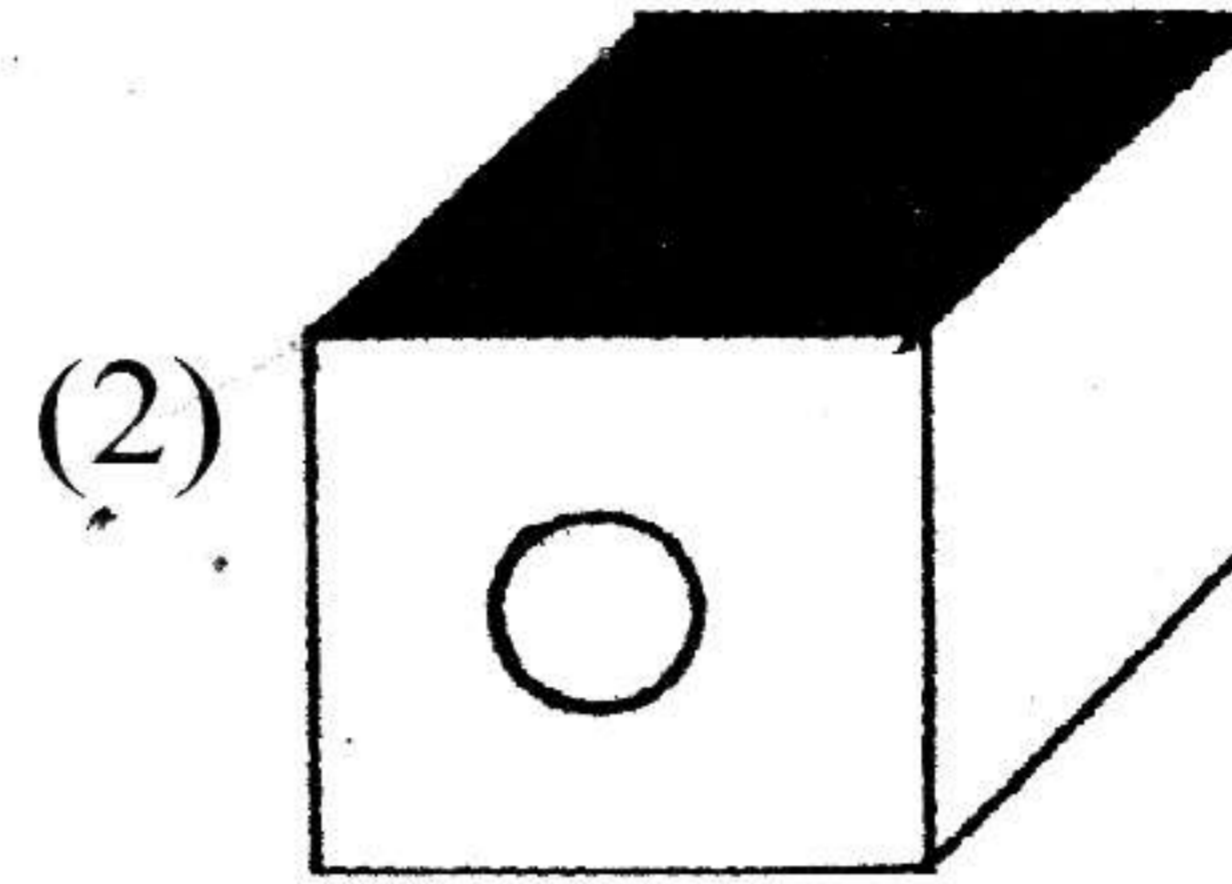
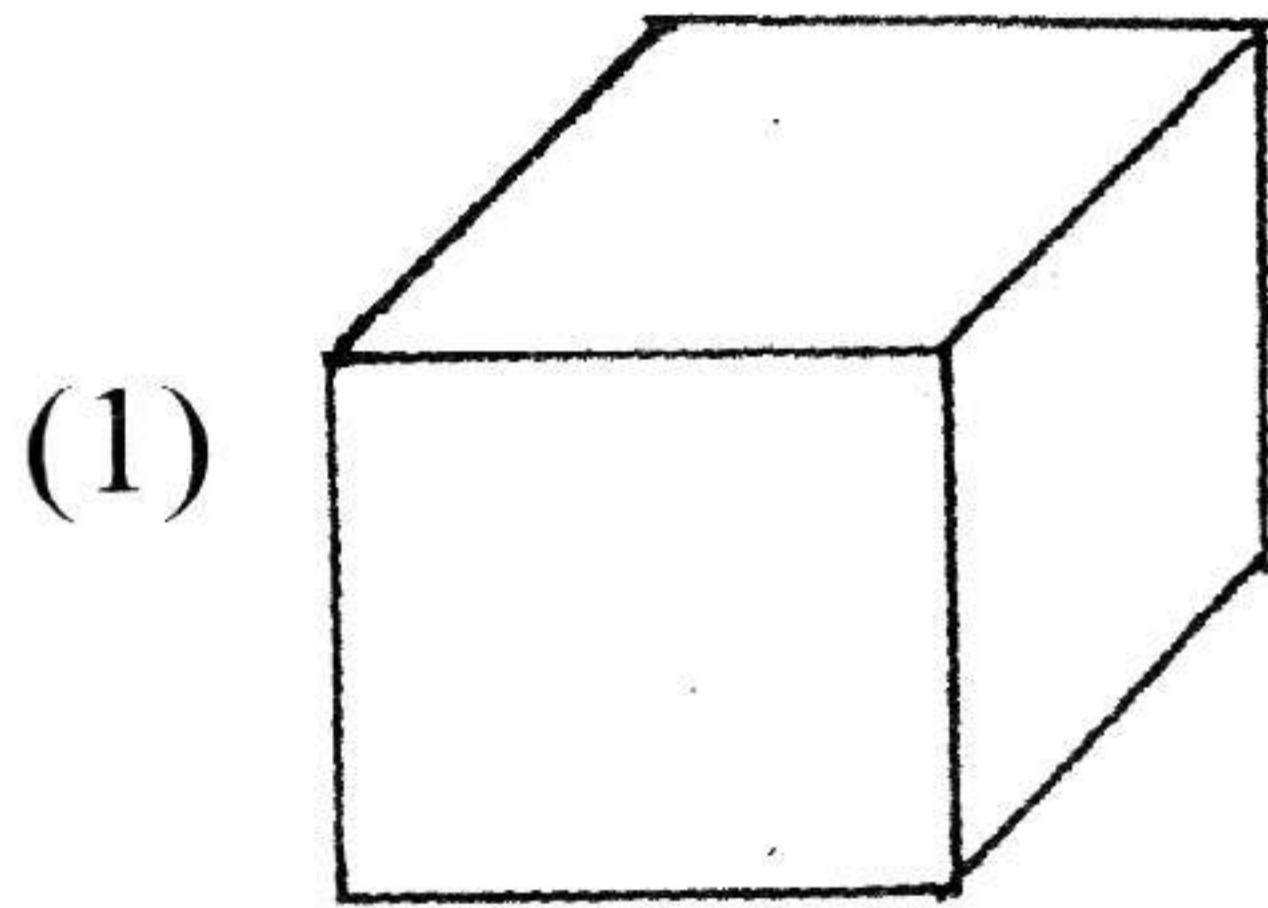
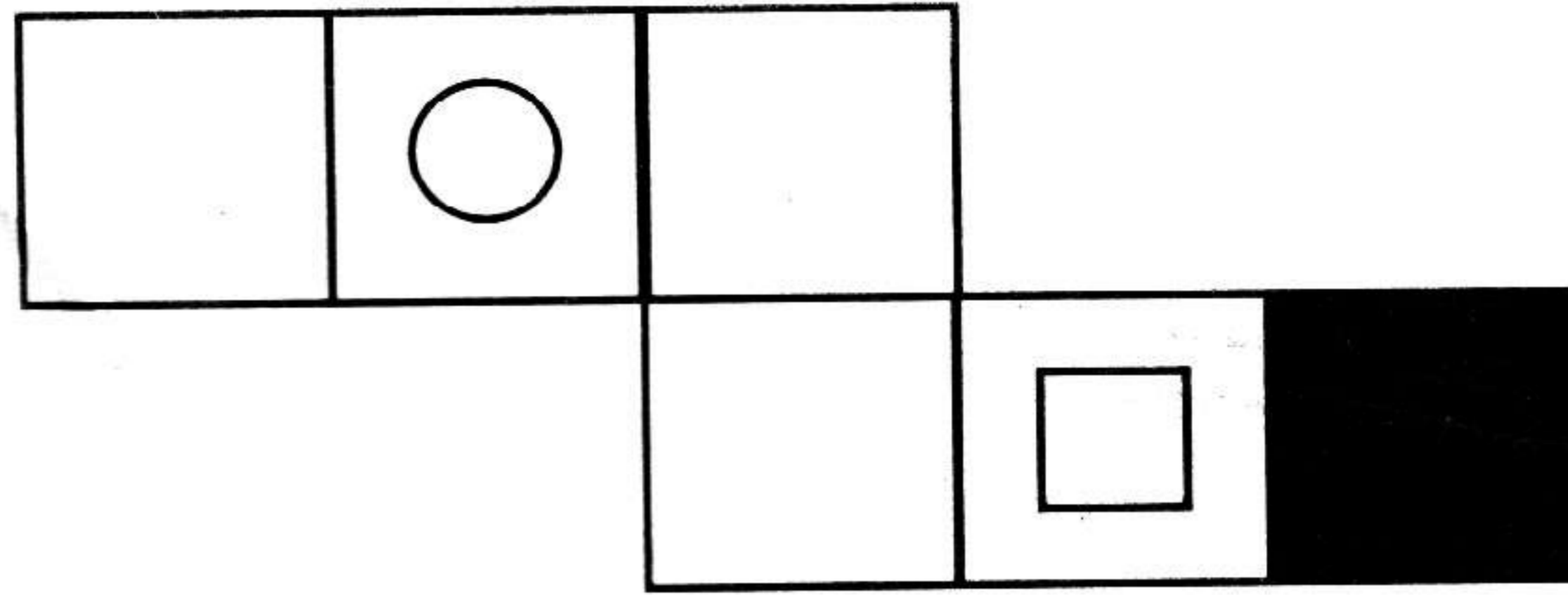
(2) 262

(3) 274

(4) 320

SPACE FOR ROUGH WORK

12. If the figure given along side is folded to construct a cube, find out the correct cubical figure from the given alternative figures.



13. In a certain code language ZEAL = 11, written then in that language BEAT = ?

(1) 7

(2) 13

(3) 14

(4) 19

SPACE FOR ROUGH WORK

14. On a playground J, K, L, M, N, O, P, Q, R are sitting in one row to watch a cricket match. L is at the right side of M and is occupying third place from N at the right side. K is sitting either at first or last position. Q is in between O and P. O is sitting at the third position at the left side of K. O is sitting next to 'J' at the right side. Who is sitting at the centre among them?

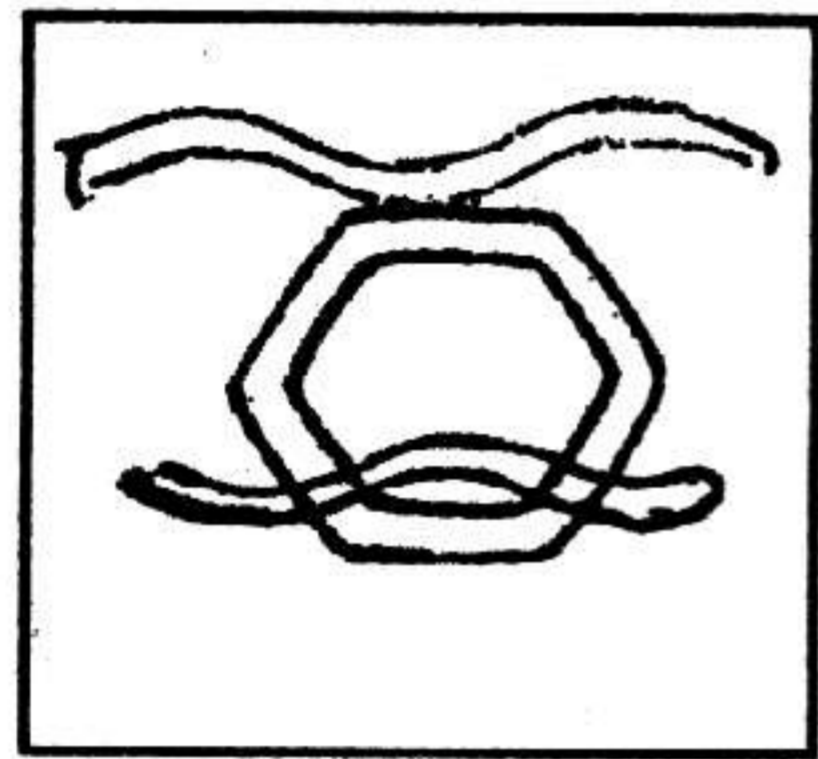
(1) L

(2) O

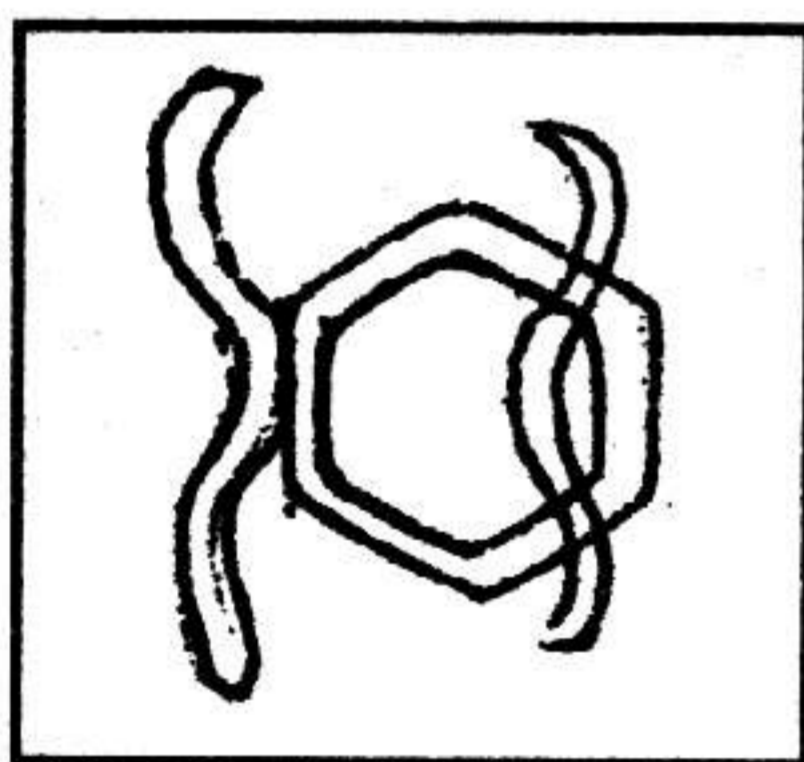
(3) J

(4) Q

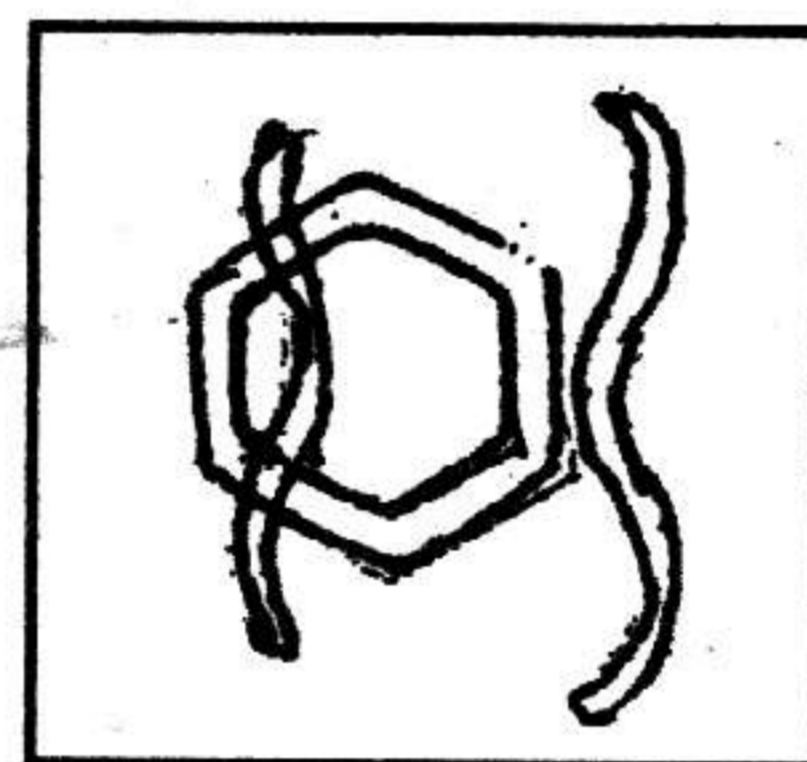
15. The following figure is rotated in anticlockwise direction and its mirror image is obtained. Select the correct mirror image from four alternatives given.



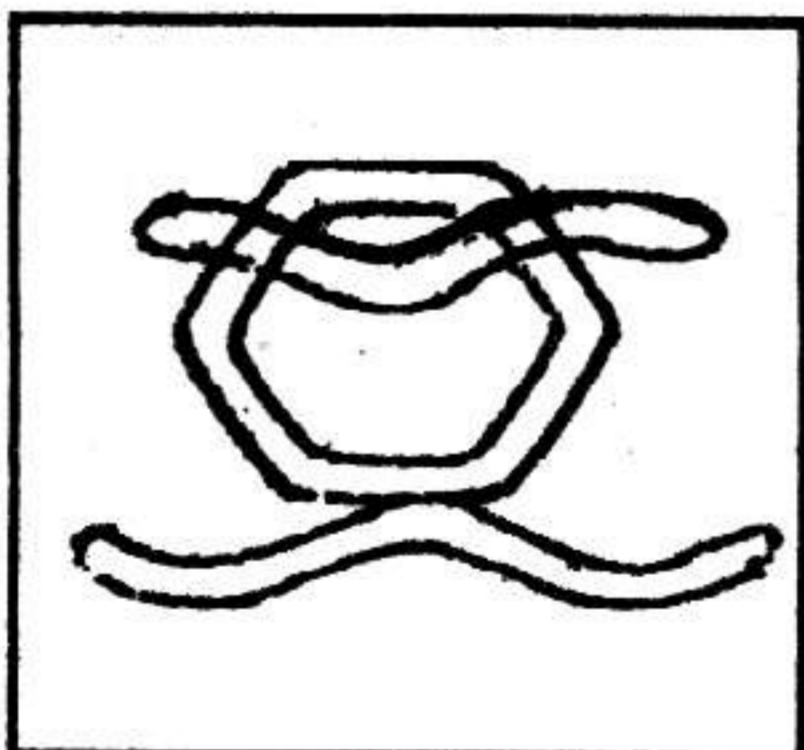
(1)



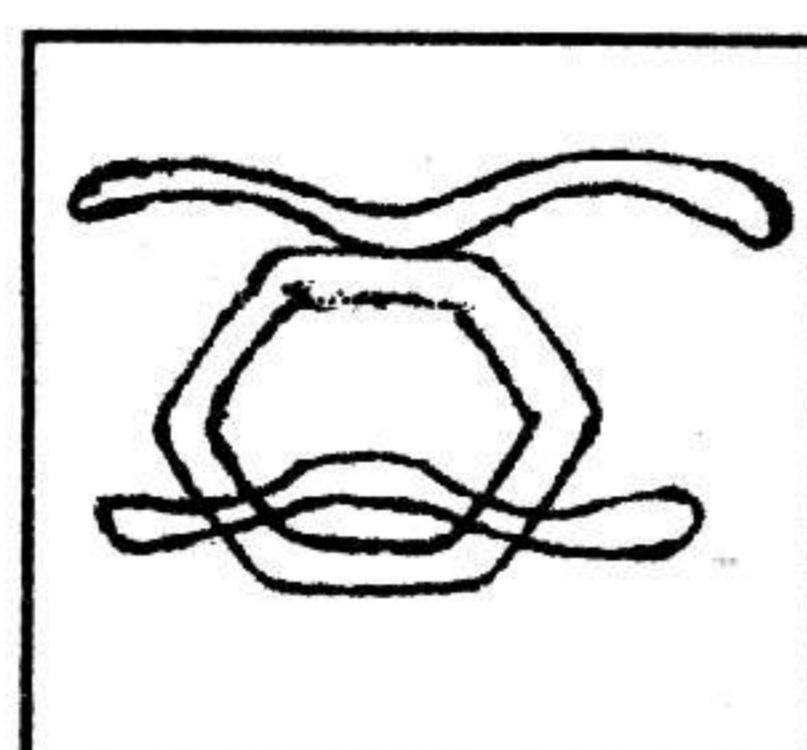
(2)



(3)



(4)



SPACE FOR ROUGH WORK

Q. 16 and 17 : Directions— In a certain code language the word **EXPAND** has been written in four different code languages. Understanding the code, find out the correct code language for the word given in each of the following questions.

EXPAND =

(1) FYQBOE

(2) EYRDRI

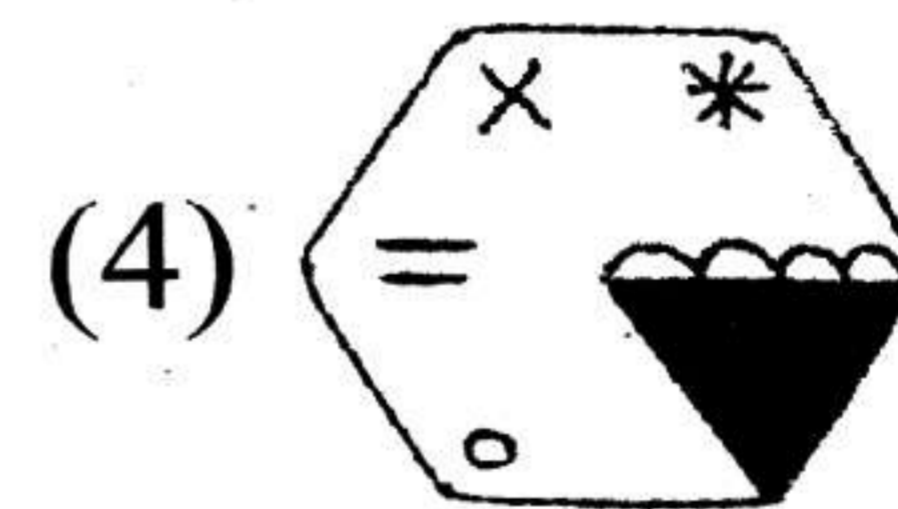
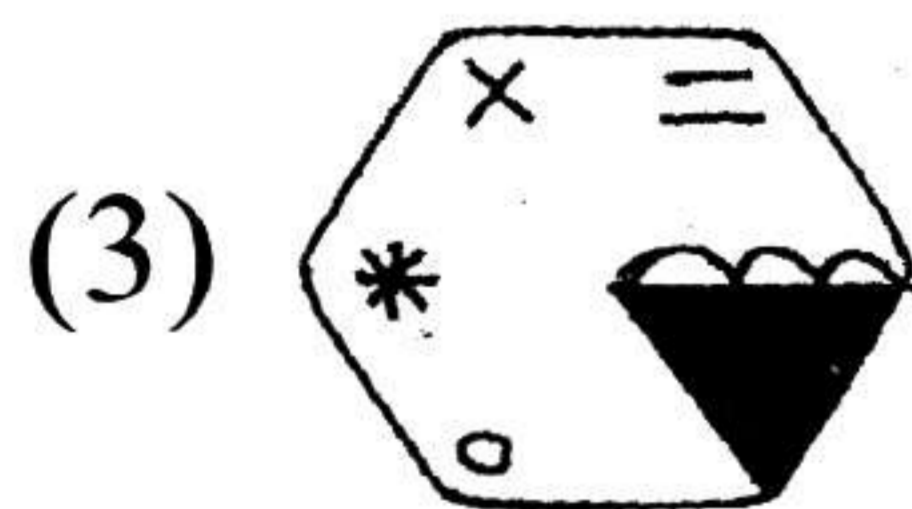
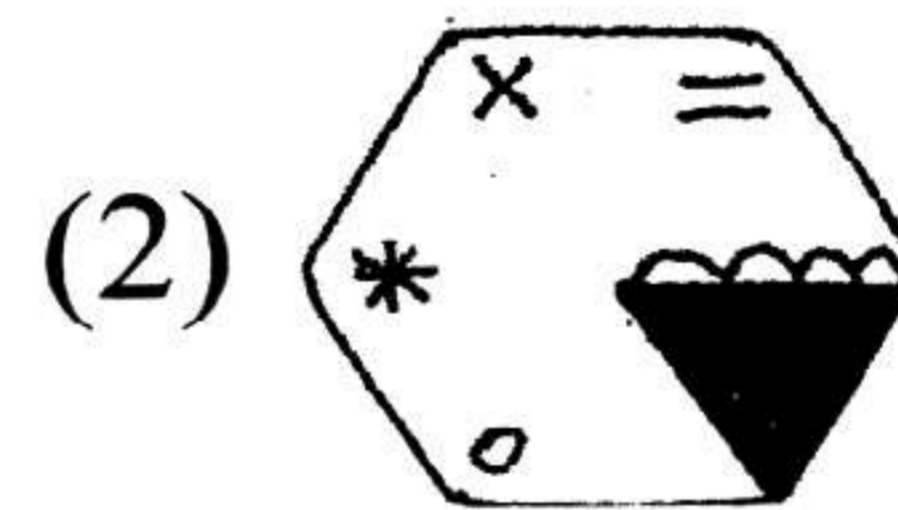
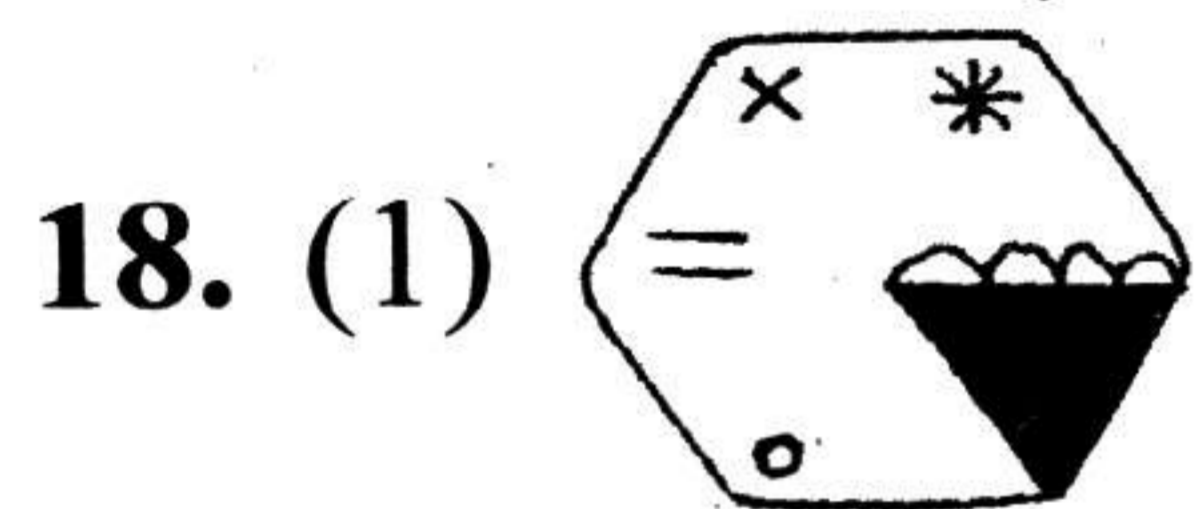
(3) EPNXAD

(4) DWOZMC

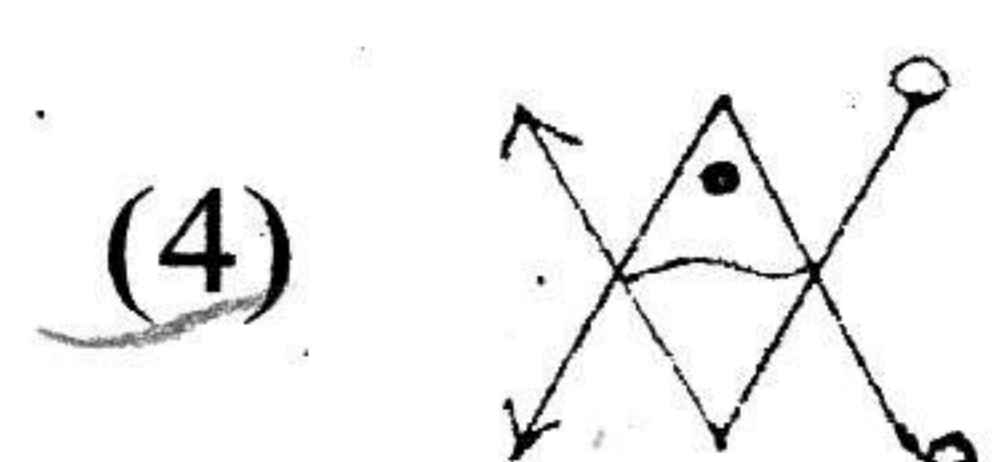
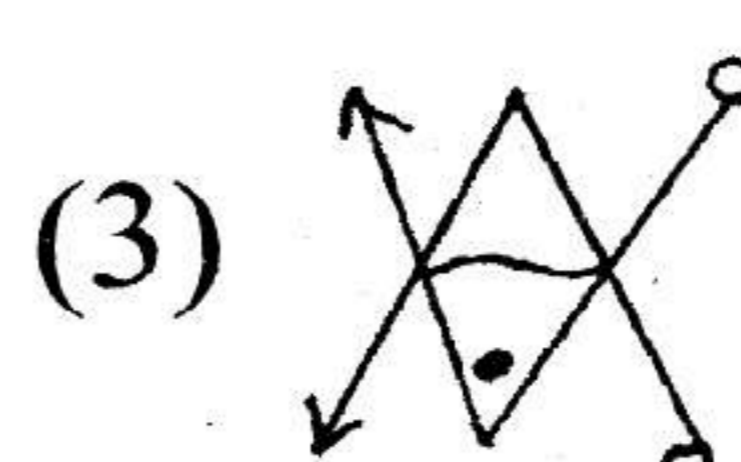
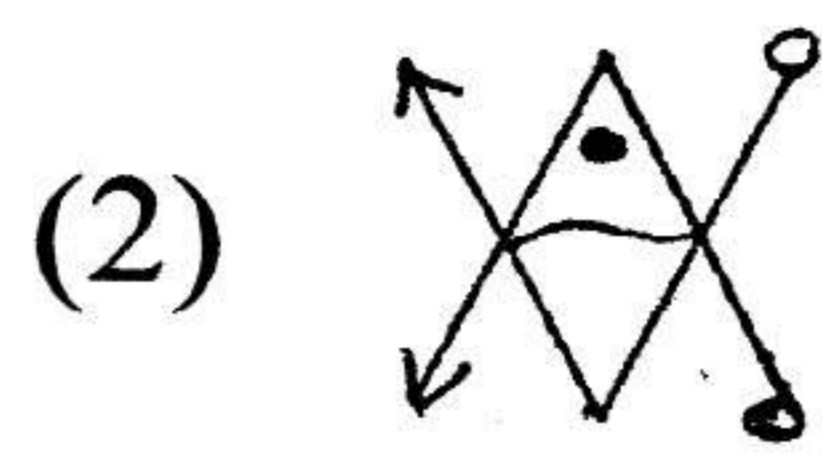
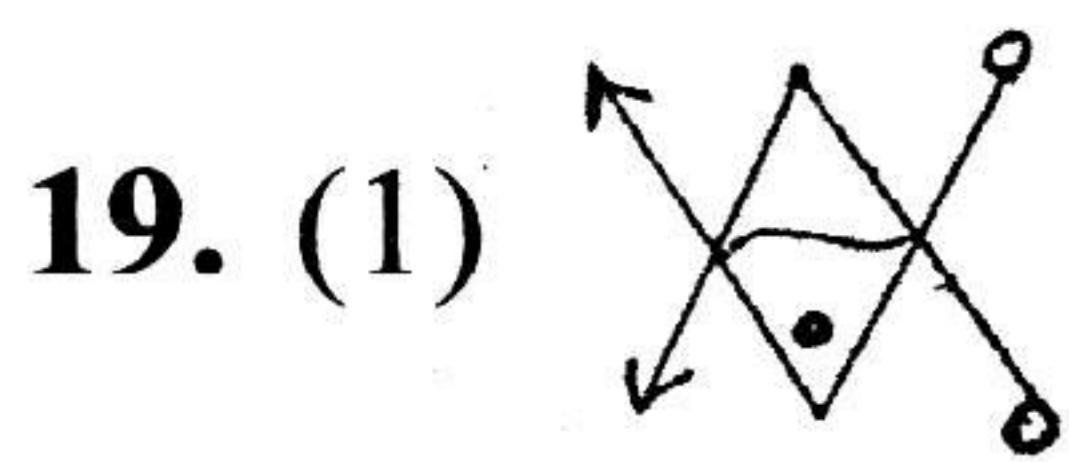
16. (1) SOLVE = SPNYI

17. (2) LARGE = KZQFD

Q. 18 and 19 : Directions— Find the odd figure out



SPACE FOR ROUGH WORK



20. Observe the adjoining figure and answer the following question. Choosing the correct alternative.

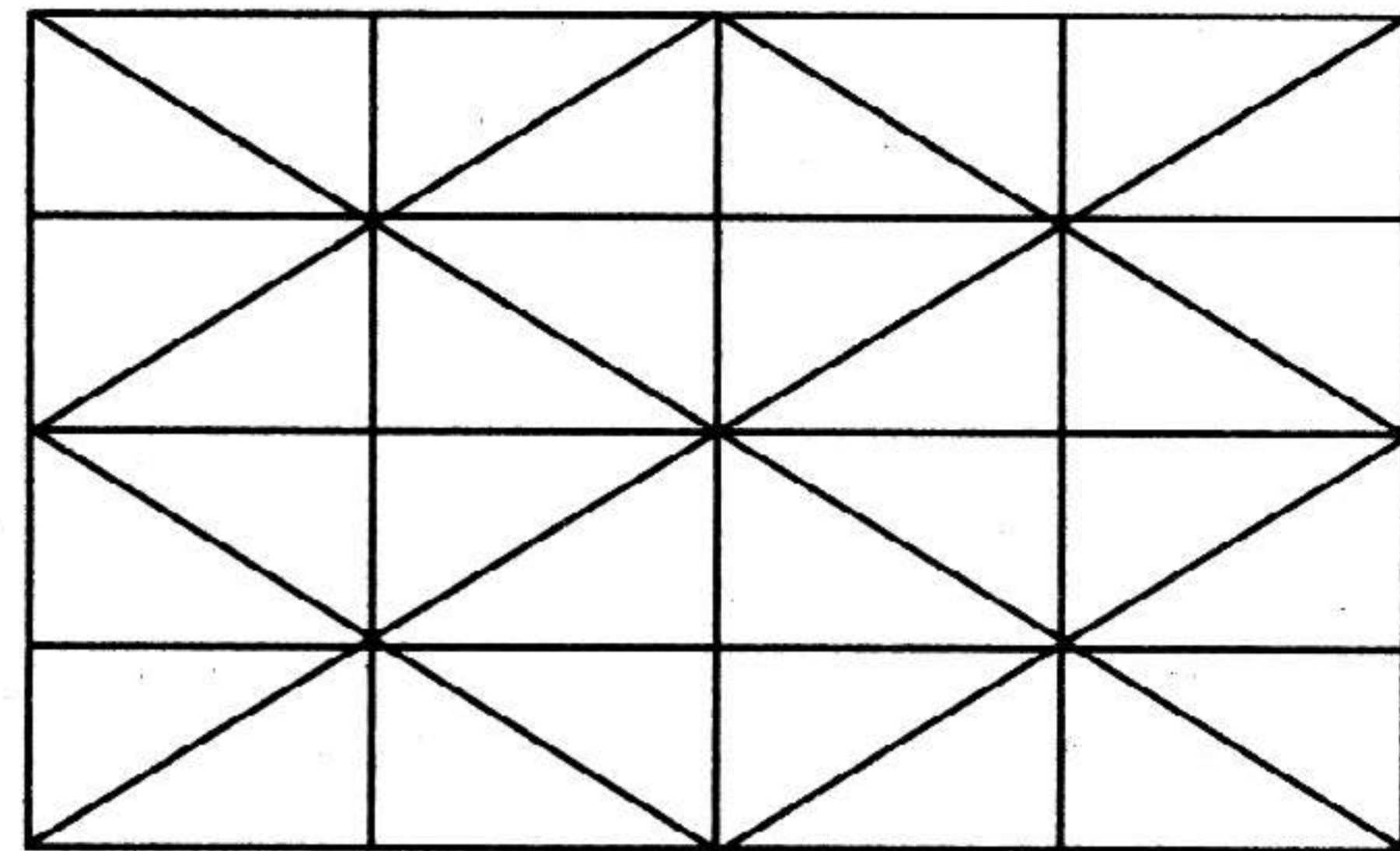
How many isosceles trapezium are in the figure?

(1) 16

(2) 10

(3) 8

(4) 14



Q. 21 and 22 : Directions — Observe the following pyramid of numerals and decide which alternative will be in place of question mark in each of the following question.

8

9 36 35

10 37 56 55 34

11 38 57 68 67 54 33

12 39 58 69 70 71 66 53 32

13 40 59 60 61 62 63 64 65 52 31

14 41 42 43 44 45 46 47 48 49 50 51 30

15 16 17 18 19 20 21 22 23 24 25 26 27 28 29

SPACE FOR ROUGH WORK

21. 95761 : 105844 :: ? : 346648

(1) 377149

(2) 353331

(3) 356763

(4) 363840

22. 95670 : 70579 :: 356766 : ?

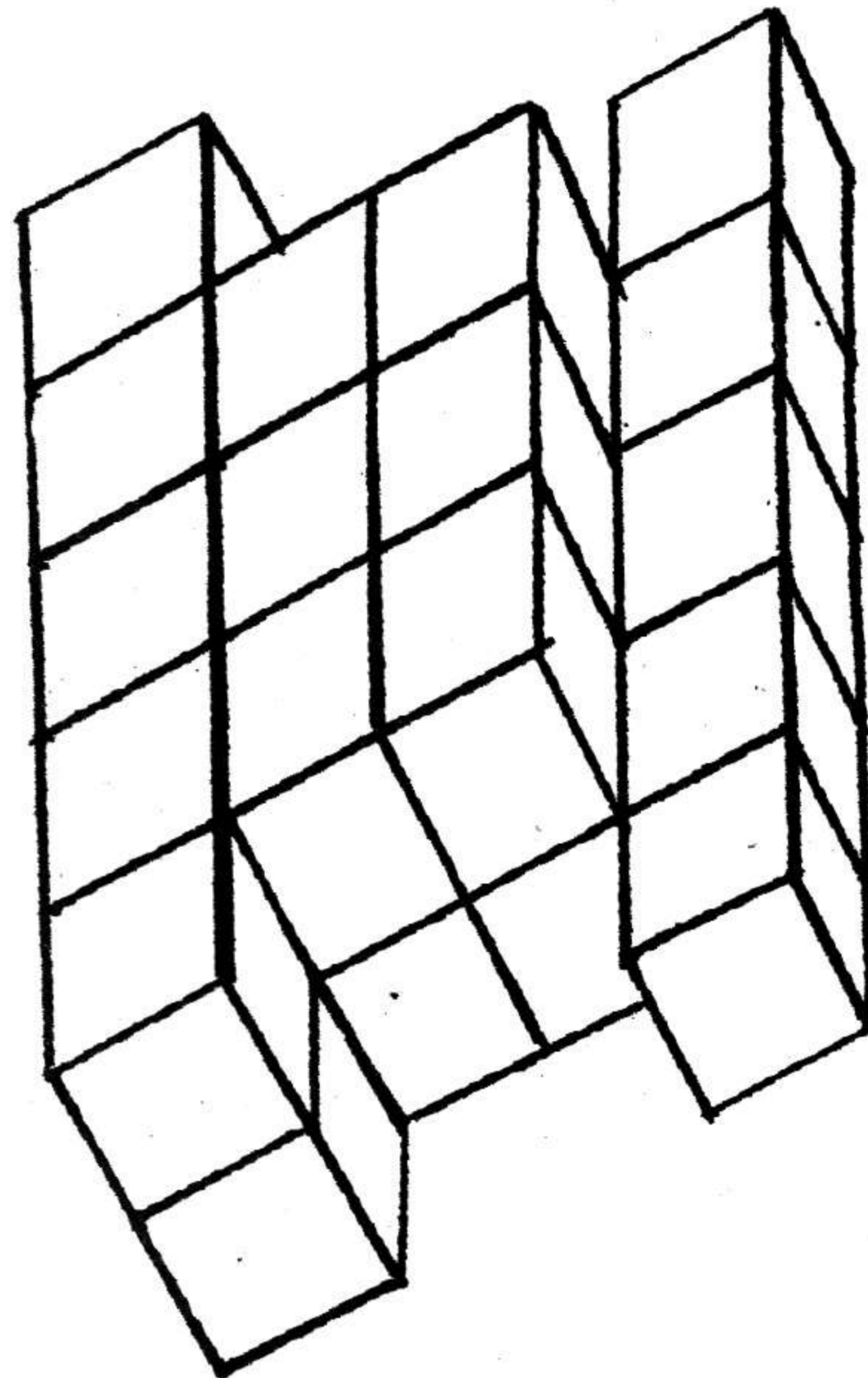
(1) 663435

(2) 677063

(3) 634623

(4) 587061

Q. 23 and 24 : Directions — In the following figure the arrangement of small blocks is given observe it and answer the following question.



SPACE FOR ROUGH WORK

23. What is the total number of small blocks?

(1) 17

(2) 24

(3) 27

(4) 30

24. Find the total number of blocks whose two surfaces are seen.

(1) 11

(2) 13

(3) 15

(4) 17

Q. 25 and 26 : Directions— In the following square numbers are written with a specific rule. Find the rule and decide which alternative will be in place of question mark.

25.

13	61	2
?	5	29
10	122	26

(1) 49

(2) 58

(3) 71

(4) 102

26.

-7	1	28
-4	17	8
?	56	73

(1) -1

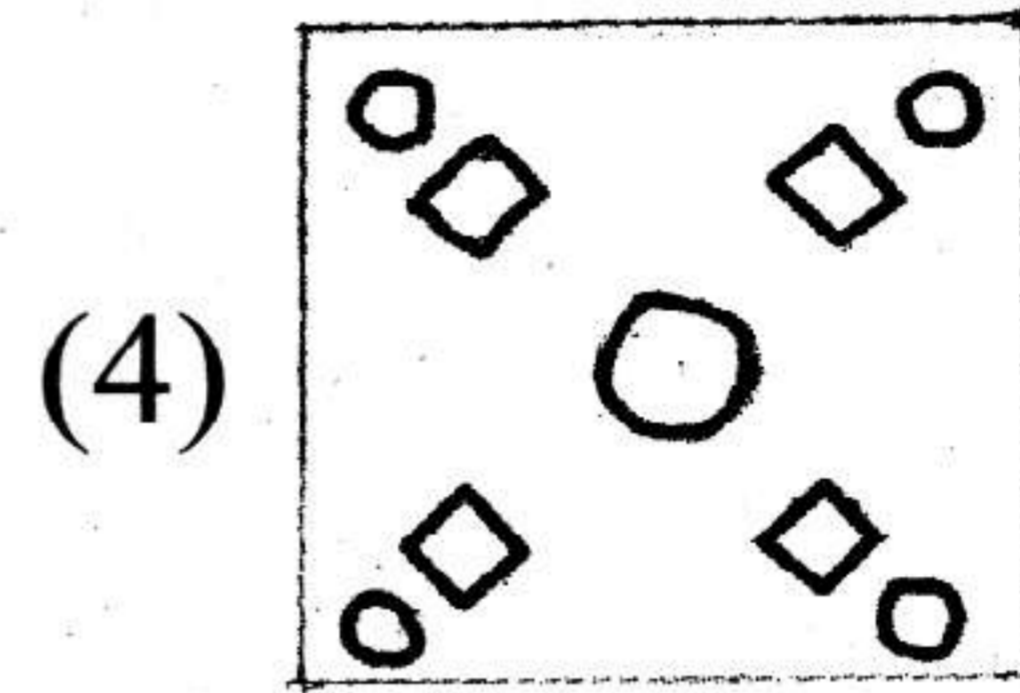
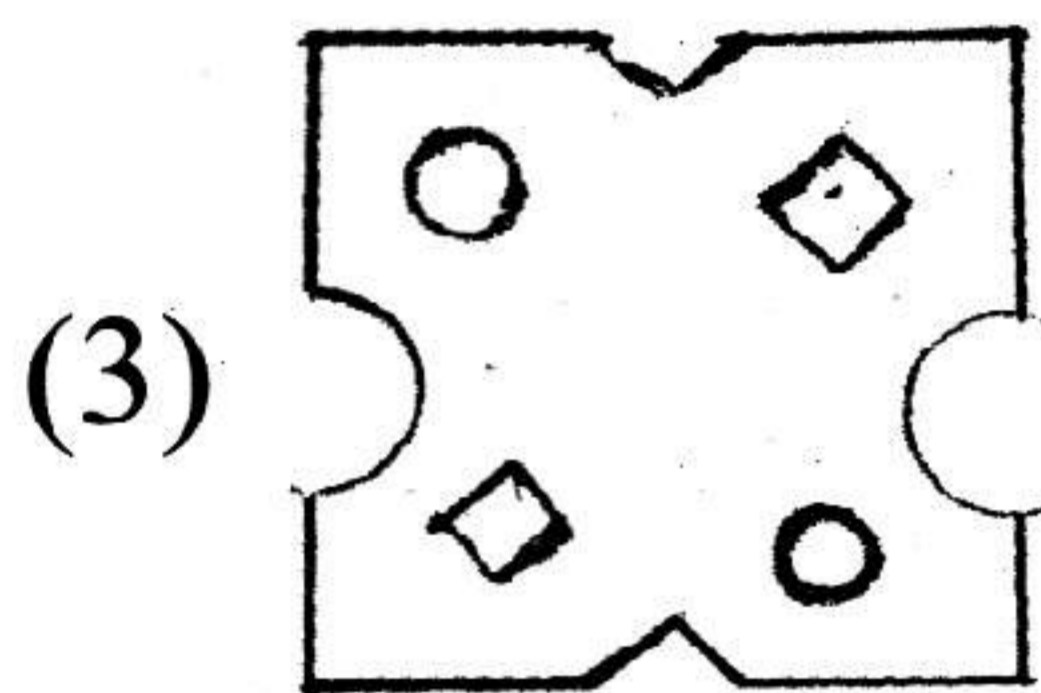
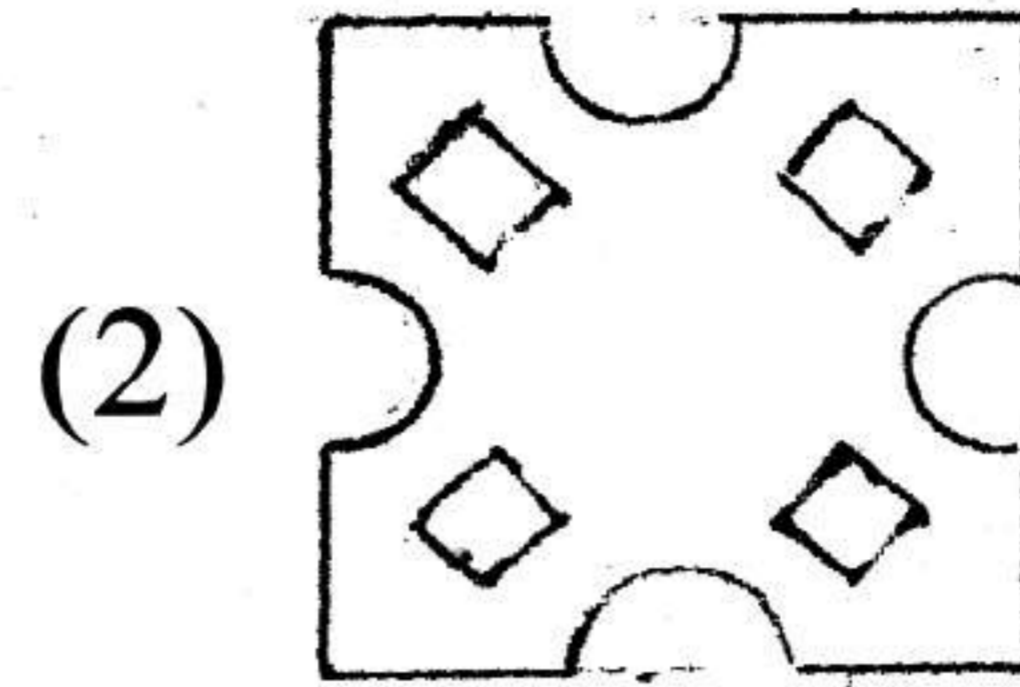
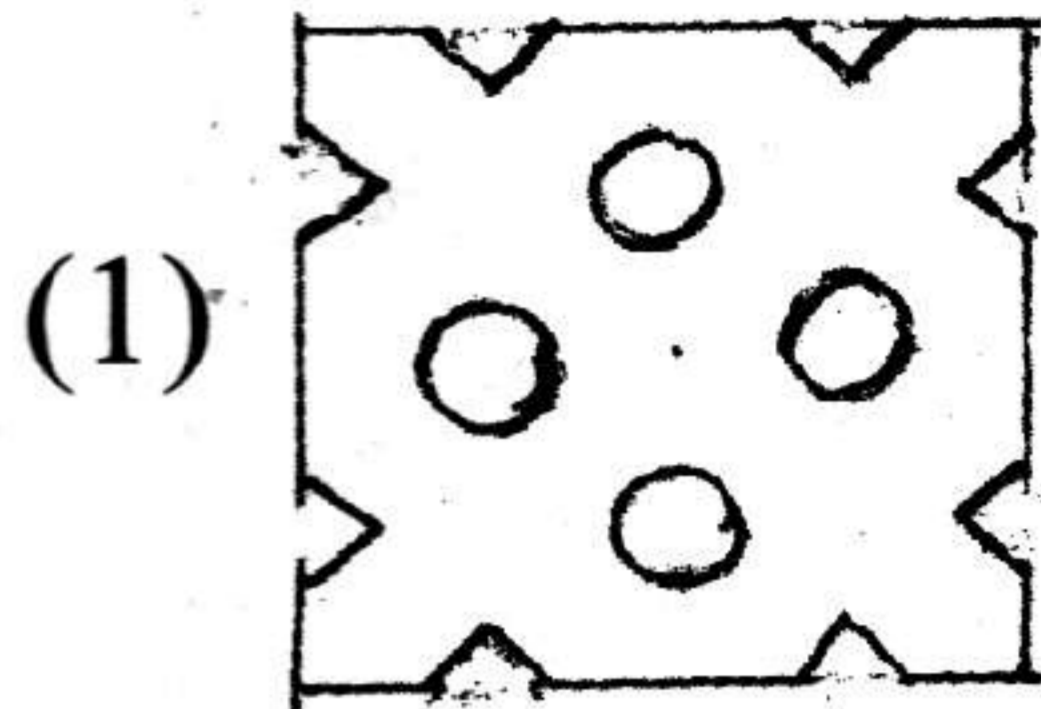
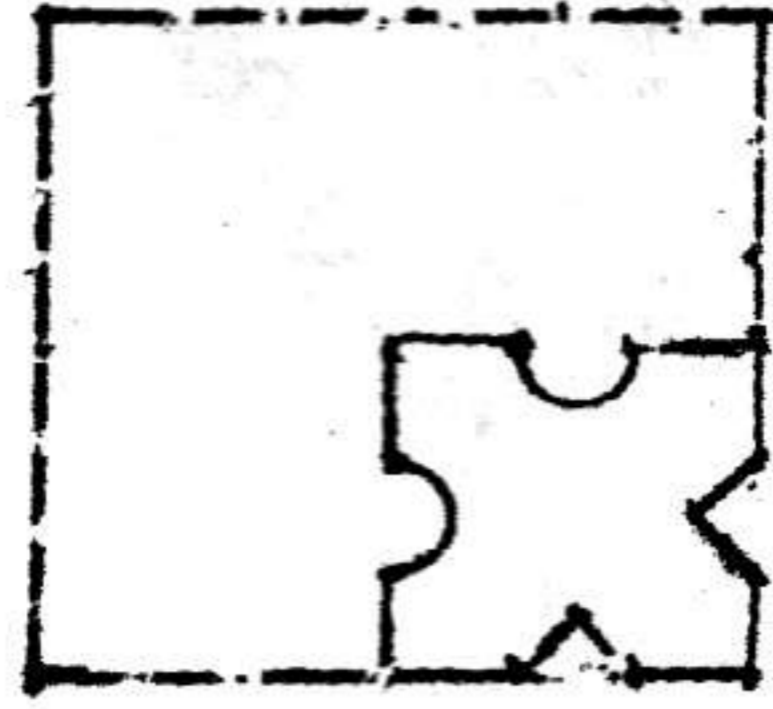
(2) 12

(3) 41

(4) 63

SPACE FOR ROUGH WORK

27. A square piece of paper is folded and cut at specific spots as shown in the figure. The paper when unfolded will look like as shown in area of the alternatives. Select the correct alternative.



Q. 28 and 29 : Directions— In each of the following questions, write which term in sequence replaces the question mark.

28. 2, 6, 21, 88, ?

(1) 440

(2) 356

(3) 445

(4) 352

29. 6, 30, 18, 128, ?

(1) 36

(2) 38

(3) 98

(4) 90

SPACE FOR ROUGH WORK

Q. 30 and 31 : Directions— Two charts are given below :

Containing two groups of letters. In chart one the rows and columns are labelled with 0 to 4 number. In chart two rows and columns are labelled with the numbers 5 to 9. The letter in the chart is identified firstly by its row number and then by its column number. For example 5 is denoted by 22, 41 number.

Chart I

	0	1	2	3	4
0	F	O	M	S	R
1	S	R	F	O	M
2	O	M	S	R	F
3	R	F	O	M	S
4	M	S	R	F	O

Chart II

	5	6	7	8	9
5	A	T	D	I	P
6	I	P	A	T	D
7	T	D	I	P	A
8	P	A	T	D	I
9	D	I	P	A	T

30. Which group of words represent the word MOST?

(1) 40, 44, 22, 89

(2) 33, 20, 11, 79

(3) 21, 00, 03, 88

(4) 02, 13, 34, 56

31. Which group of words represent the word ROAD?

(1) 42, 32, 79, 58

(2) 23, 32, 98, 99

(3) 11, 13, 67, 69

(4) 04, 20, 55, 78

SPACE FOR ROUGH WORK

32. A school boy was having Deepavali vacation from 11 October to 28 October 2012. It was Monday on the 10th Day before the start of the vacation. After the vacation, the school excursion was arranged on the 7th day from the reopening of the school. On which Day was the school excursion arranged.

(1) Sunday

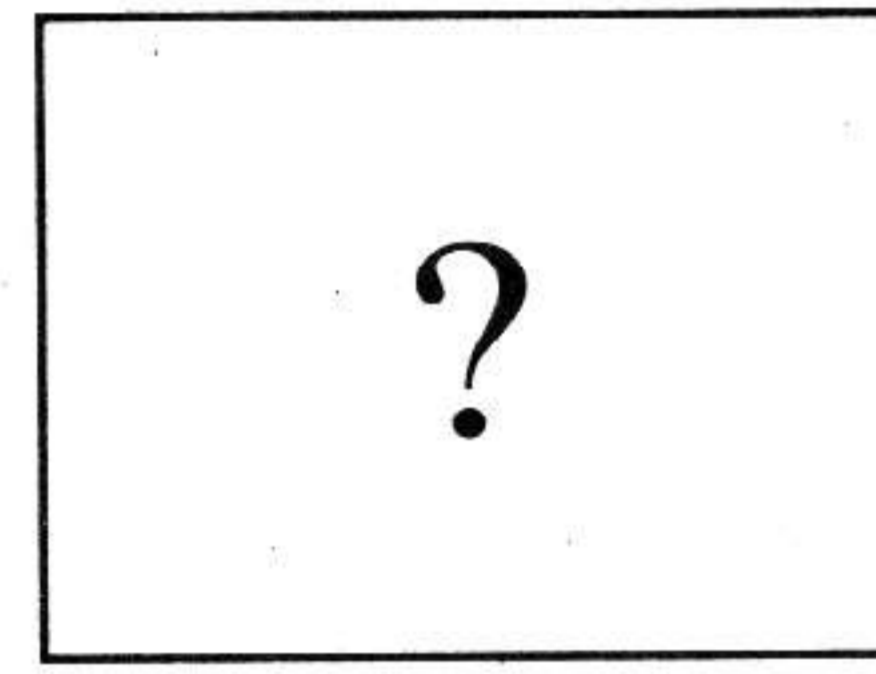
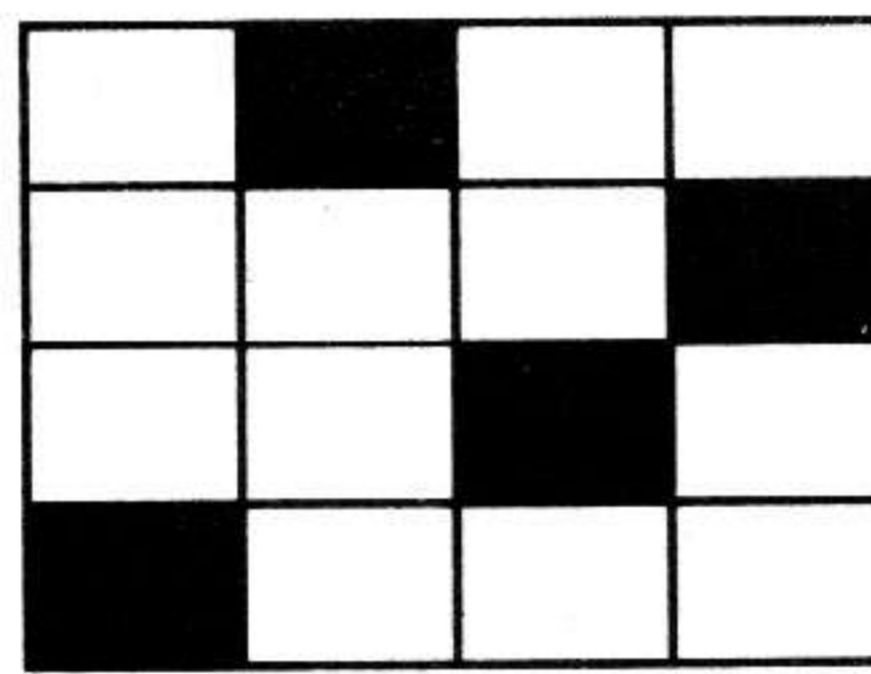
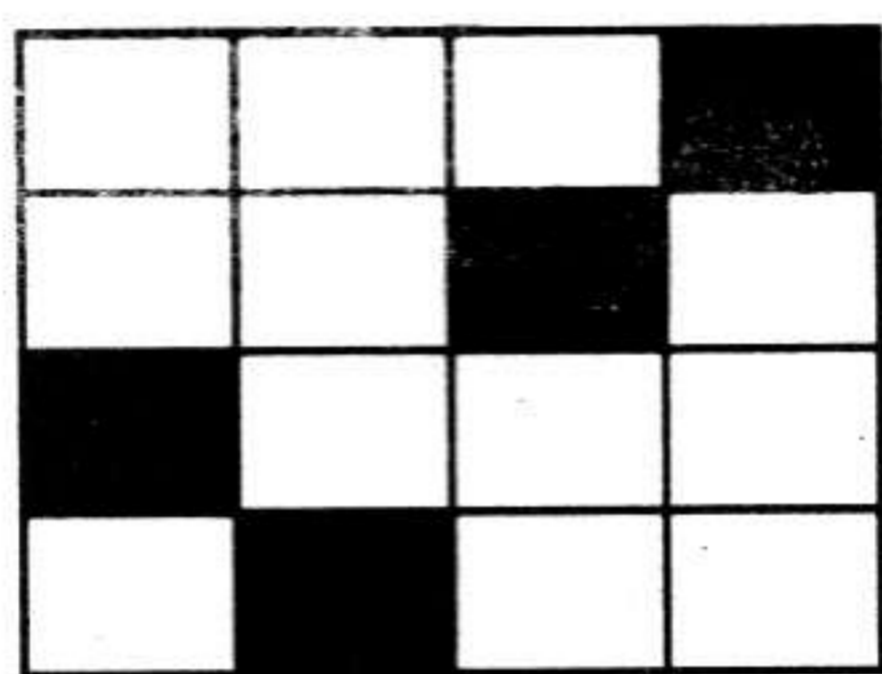
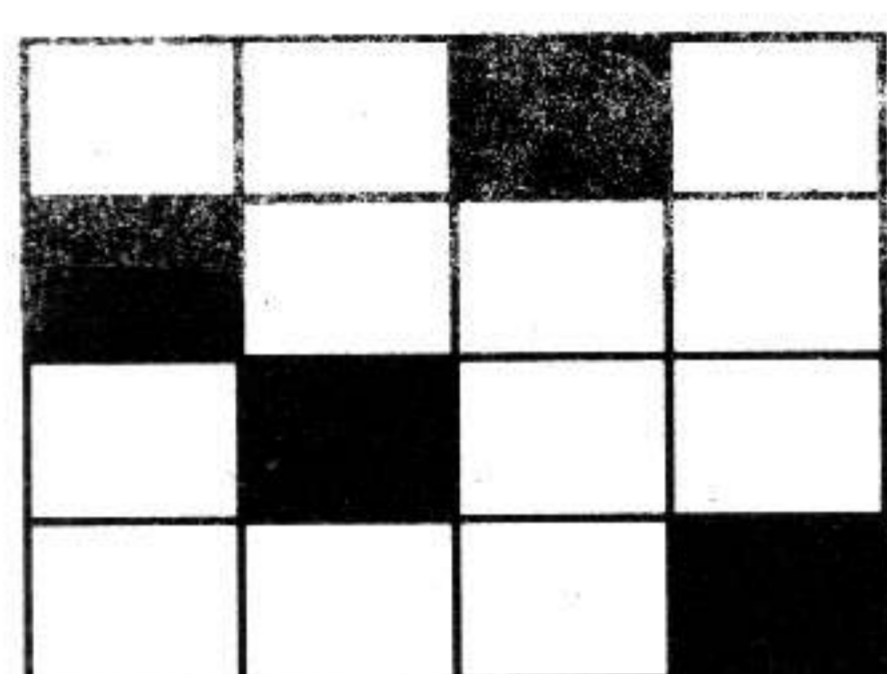
(2) Friday

(3) Thursday

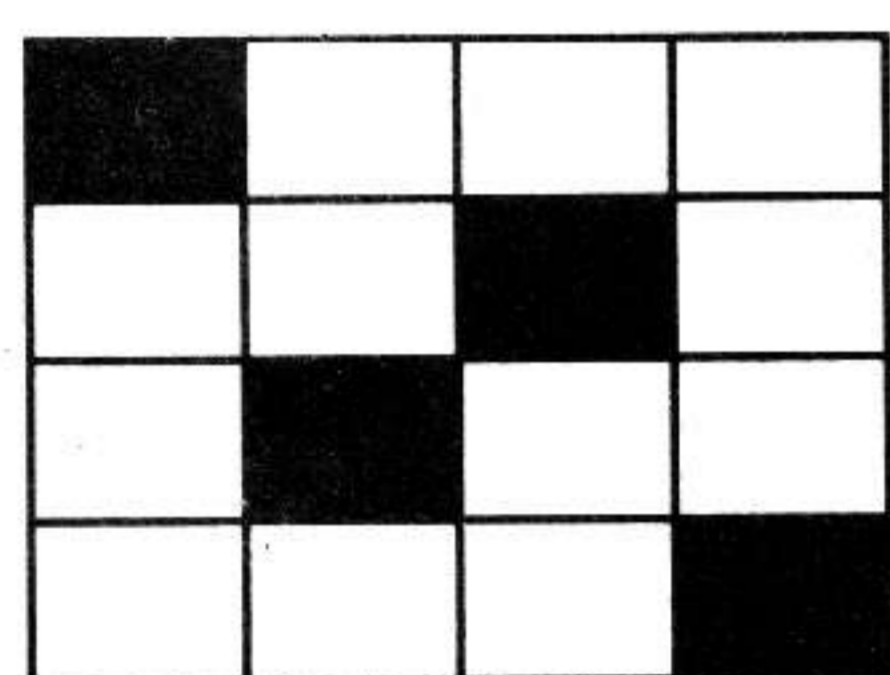
(4) Tuesday

Q. 33 and 34 : Directions — In each of the following, the question figures change in a particular order. Decide which figure from the given alternatives will replace the question mark.

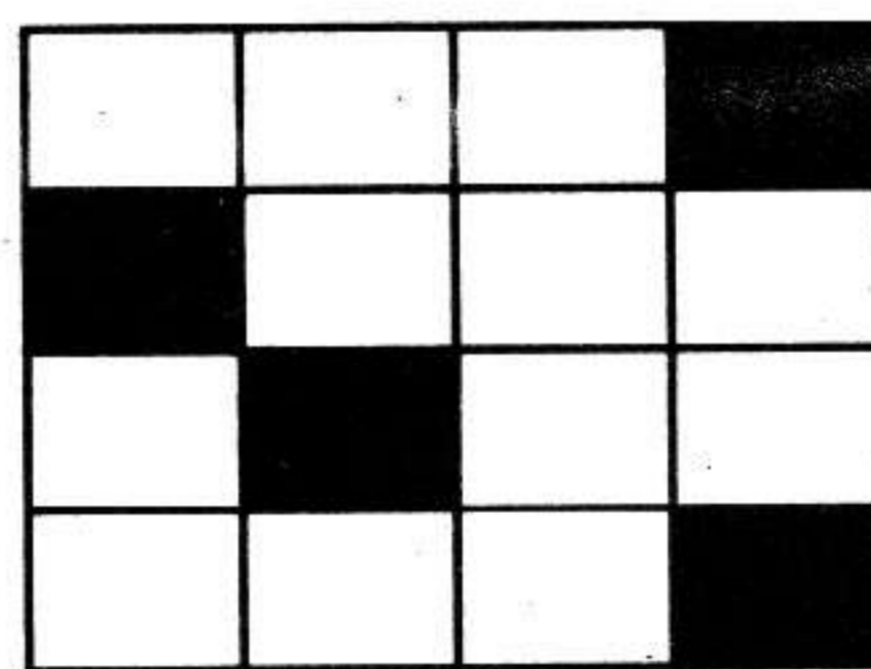
33.



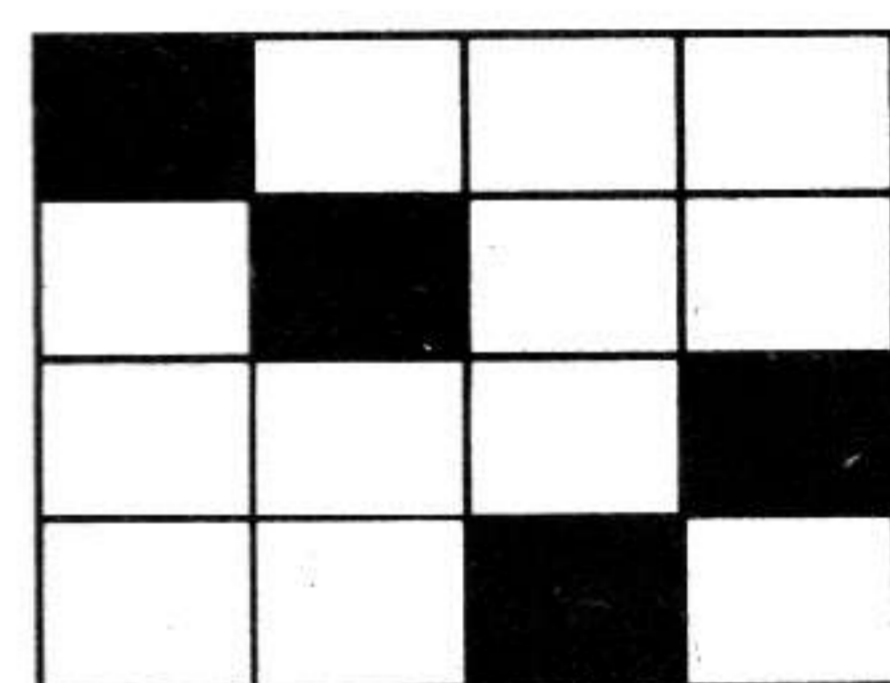
(1)



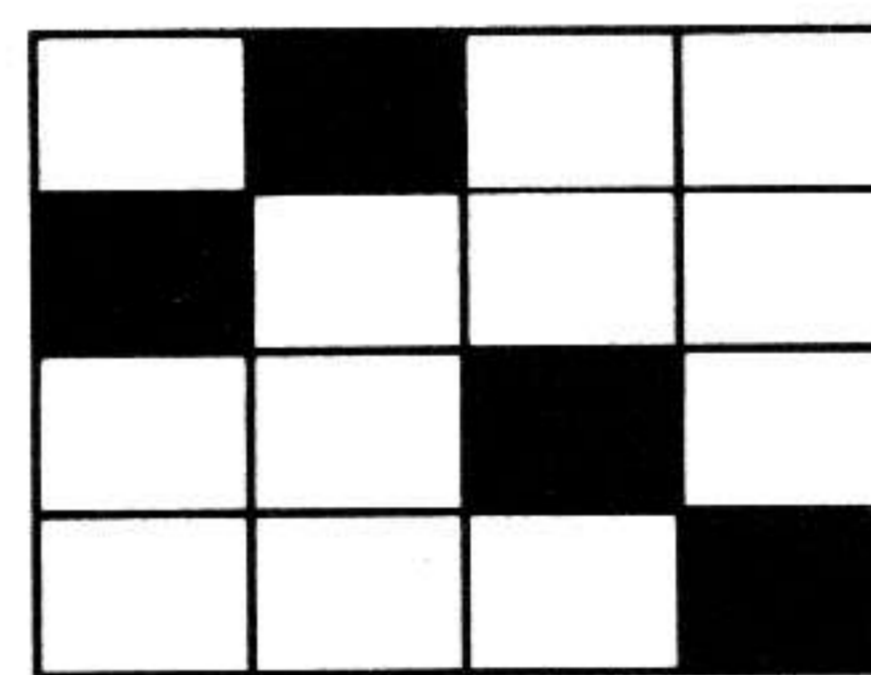
(2)



(3)

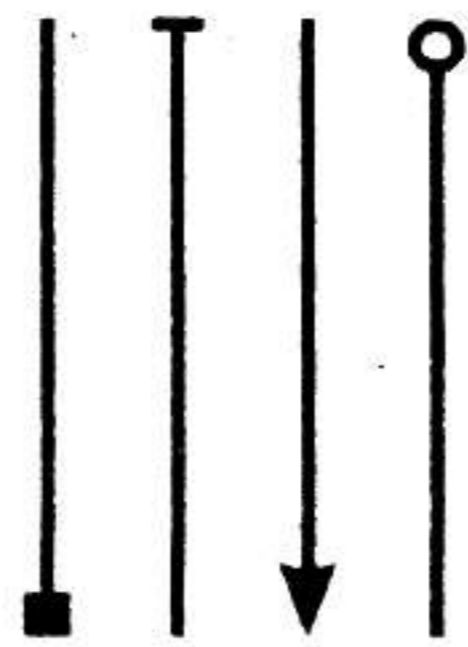
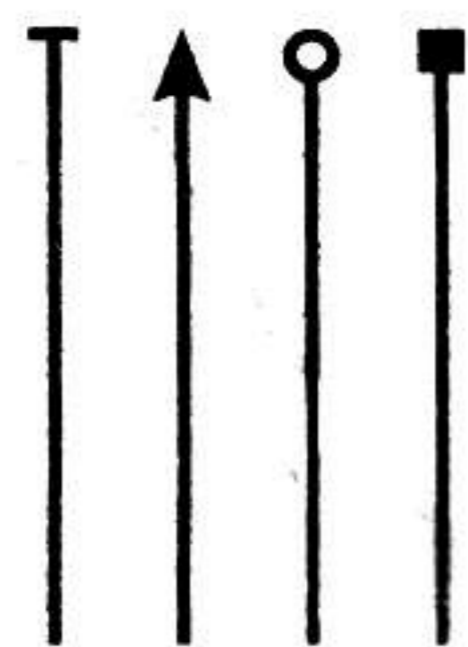
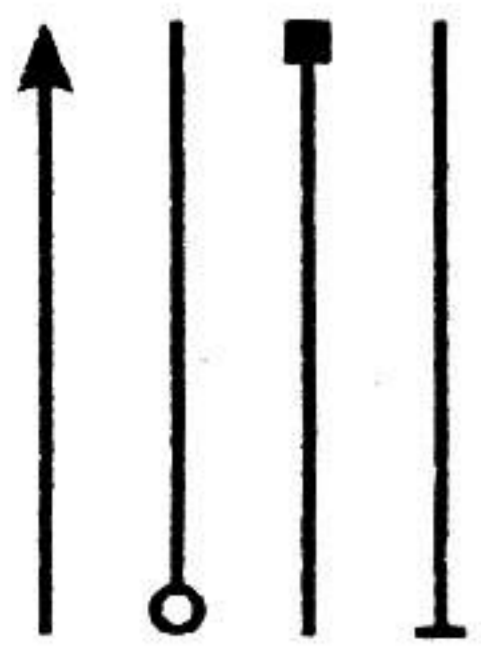


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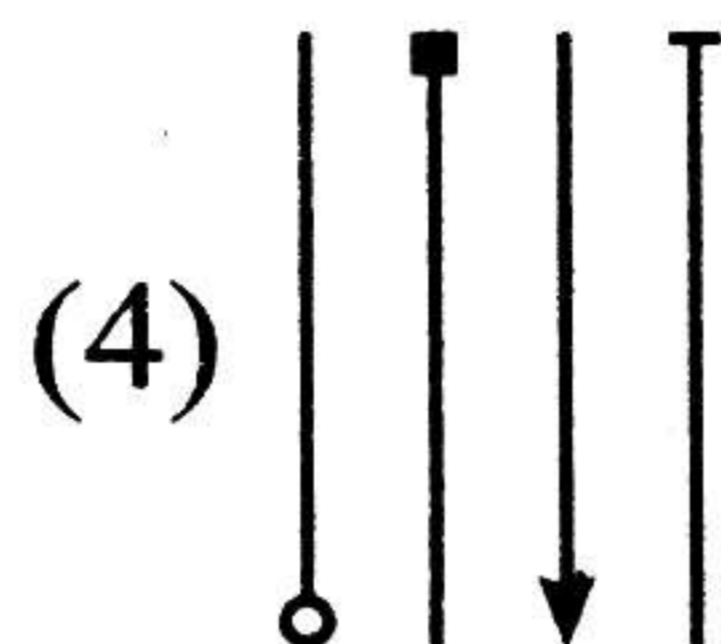
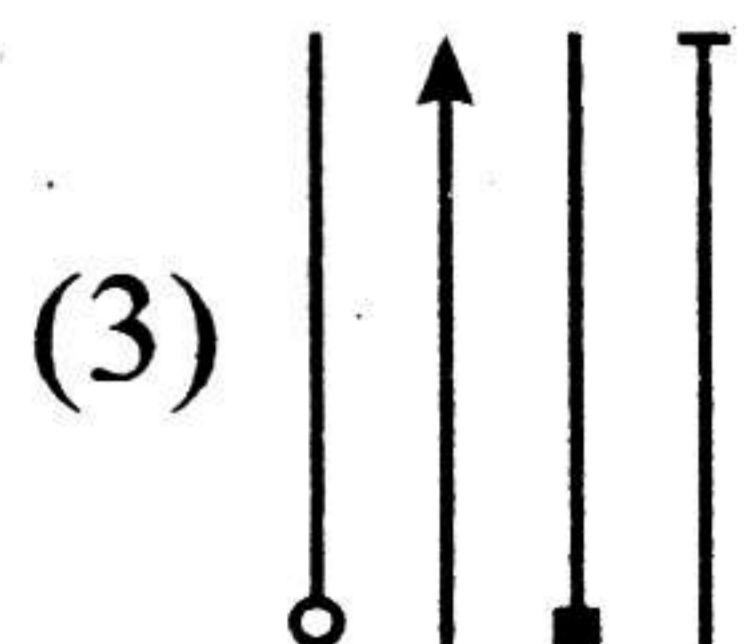
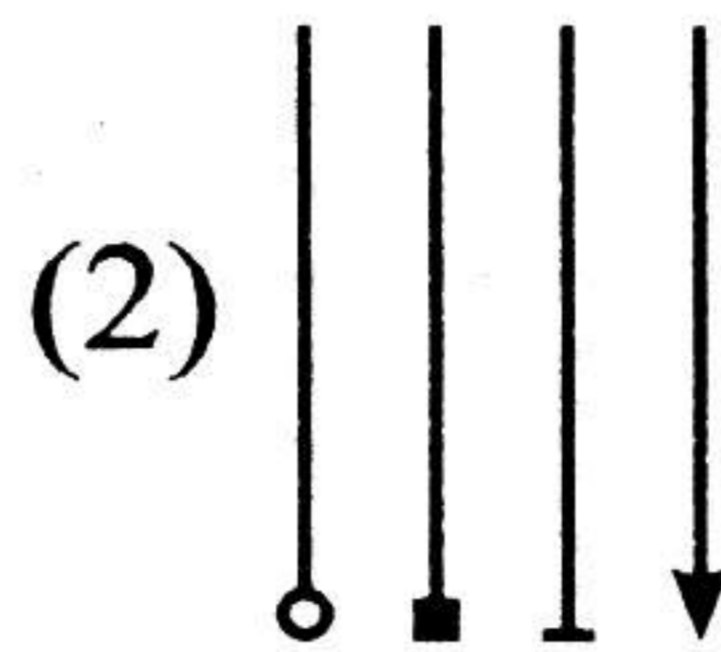
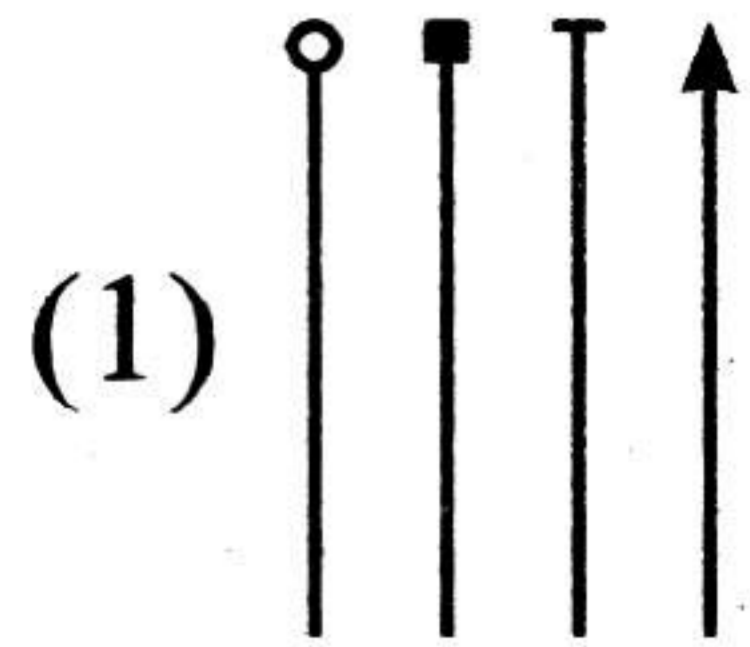


SPACE FOR ROUGH WORK

34.



?



Q. 35 and 36 : Directions— In each of the following questions there is a specific relationship between the first and second term. The same relationship exists between third and fourth term. Understanding this relationship, Find out the correct alternative to replace the question mark.

35. AMK : SPJ :: KNM : ?

(1) CQN

(2) BQL

(3) CQL

(4) BLQ

36. N9M : P11Q :: V14T : ?

(1) X17Z

(2) X16W

(3) X15Y

(4) X16X

SPACE FOR ROUGH WORK

37. Seema went 9 km to west. She turned to right and went 7 km. She turned to left and went 8 km. From there she turned back and went 11 km. Then she turned to right and went 7 km.

How much distance is she from origin?

(Seema turns every time in 90° angle)

- (1) 9 km (2) 6 km
(3) 3 km (4) 7 km

38. A rhythmic arrangement of numbers given. The missing numbers appear in the same order in one of the alternative answer. Find the correct alternative.

0 – 0100 – 10 – 1111 – –

- (1) 01011 (2) 01101
(3) 01111 (4) 01110

Q. 39 and 40 : Directions — Madhav and Govind play Hockey and Volleyball. Hemant and Madhav play Hockey and Baseball. Ramesh and Govind play Cricket and Volleyball. Hemant, Ramesh and Anant play Football and Baseball. Then, answer the following questions.

39. Who plays Hockey, Cricket and Volleyball?

- (1) Madhav (2) Govind
(3) Hemant (4) Anant

SPACE FOR ROUGH WORK

40. Who does not play Baseball? Choose the correct alternative.

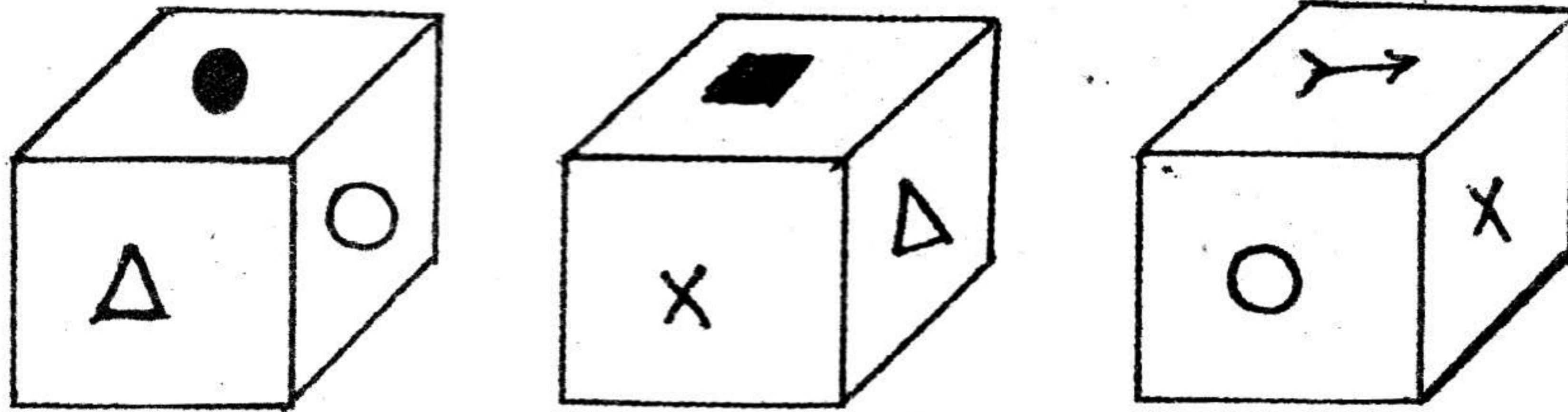
(1) Govind

(2) Hemant

(3) Madhav

(4) Ramesh

Q. 41 and 42 : Directions — In the following figures, three different position of a cube has been shown. Observe the figures and answer the questions that follow.



41. Which sign will be on the surface opposite to surface having X sign?

(1) ○

(2) ●

(3) △

(4) >→

42. Which sign will be on the surface opposite to surface having ■ sign

(1) ○

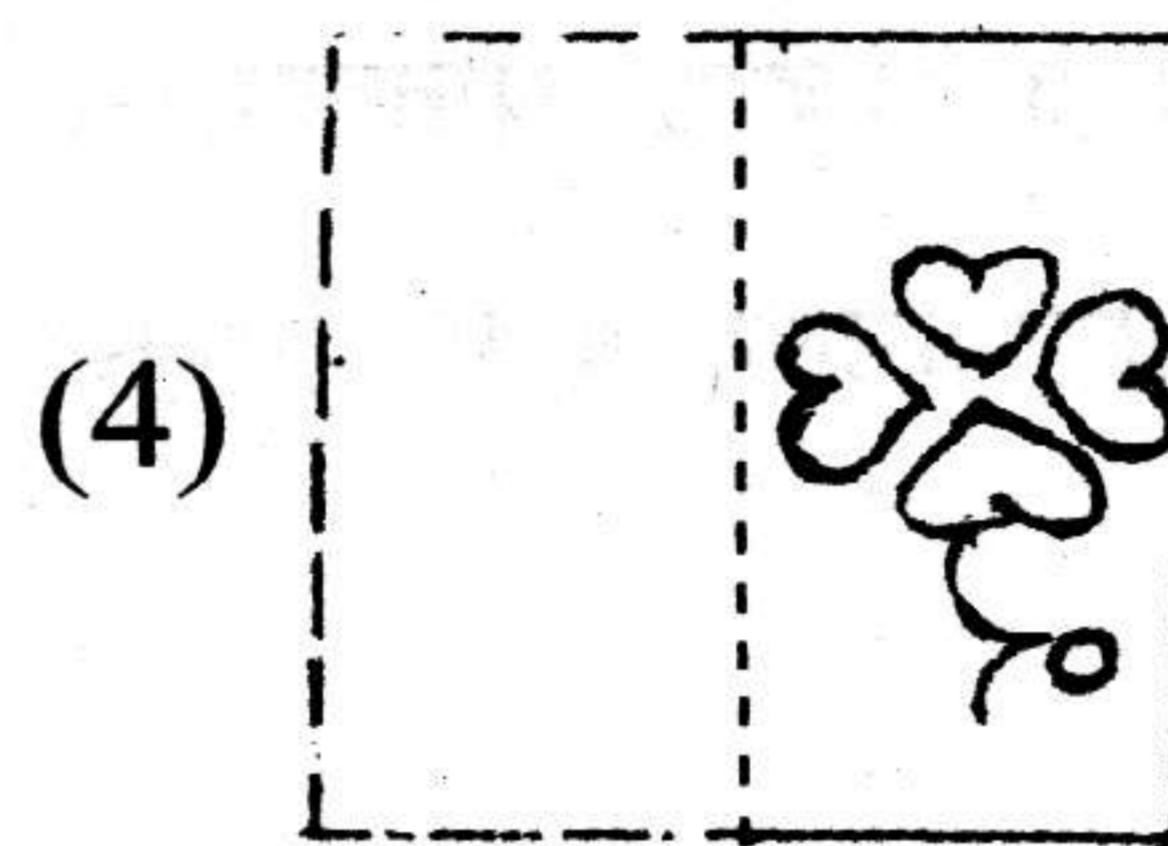
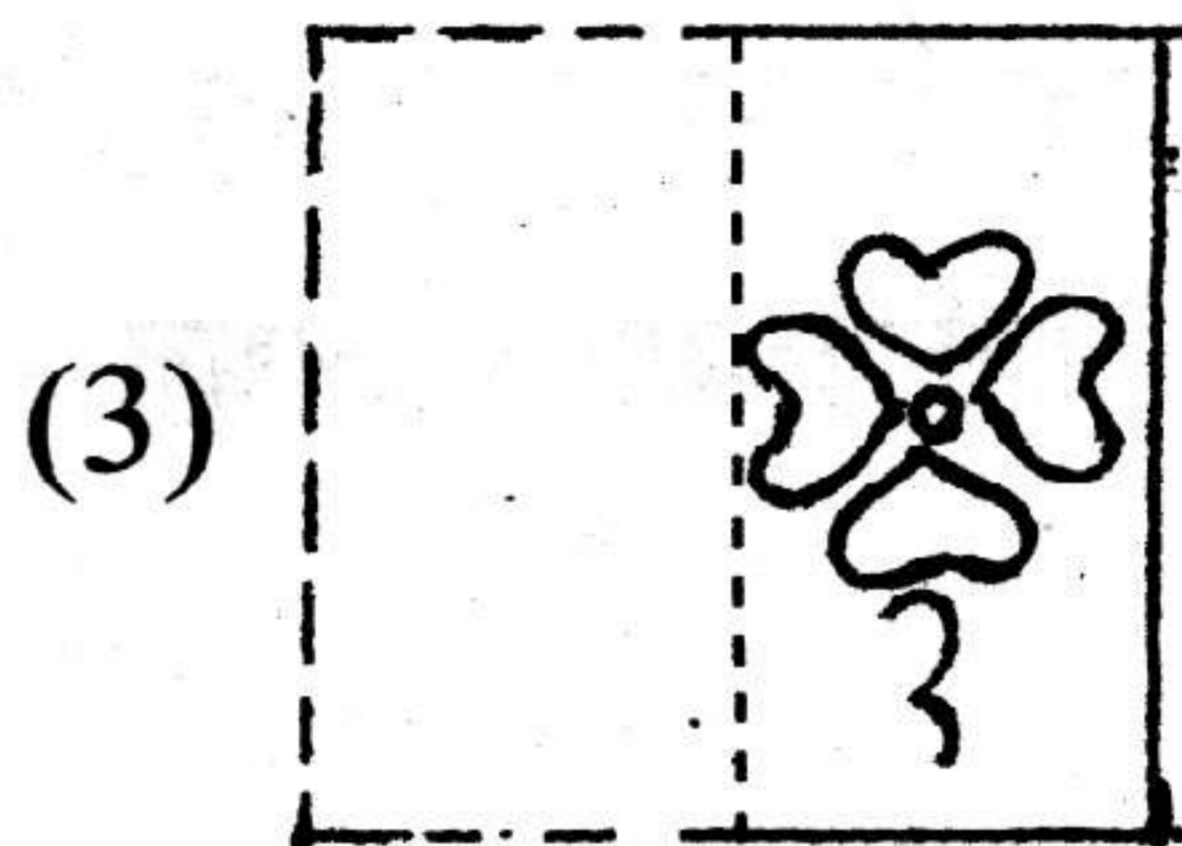
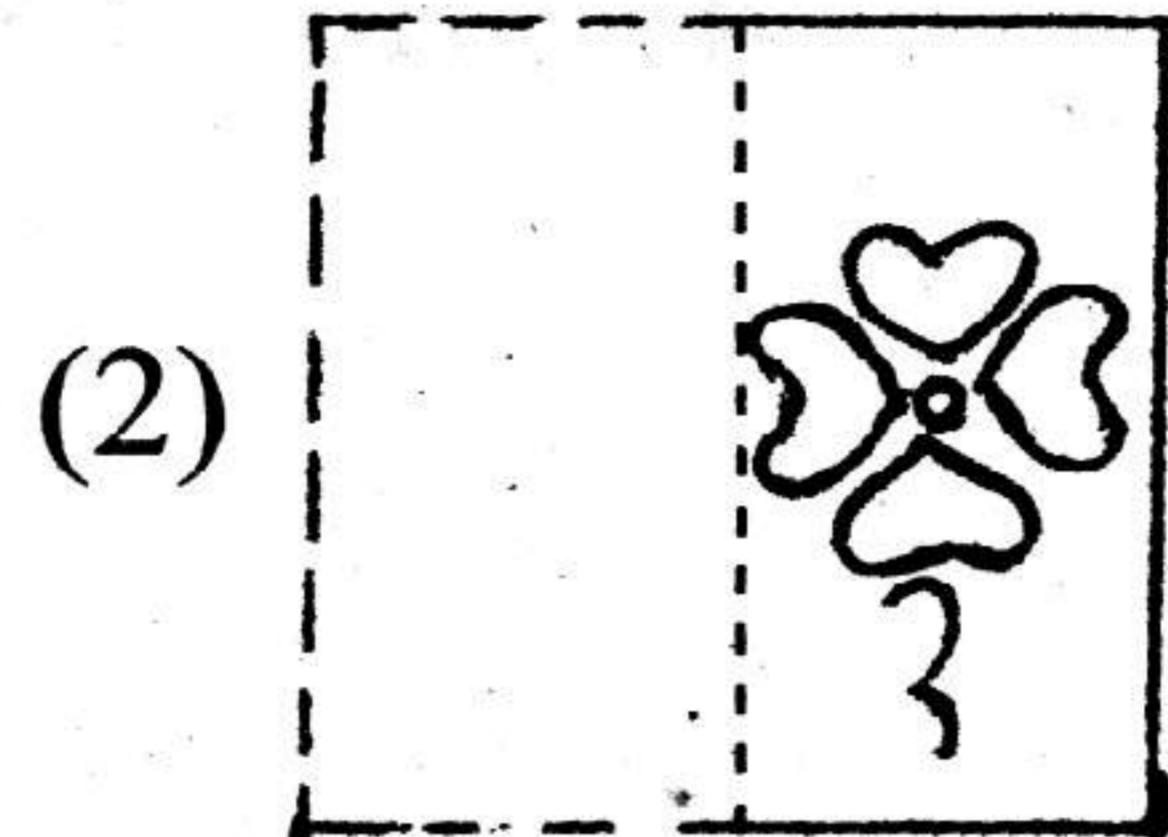
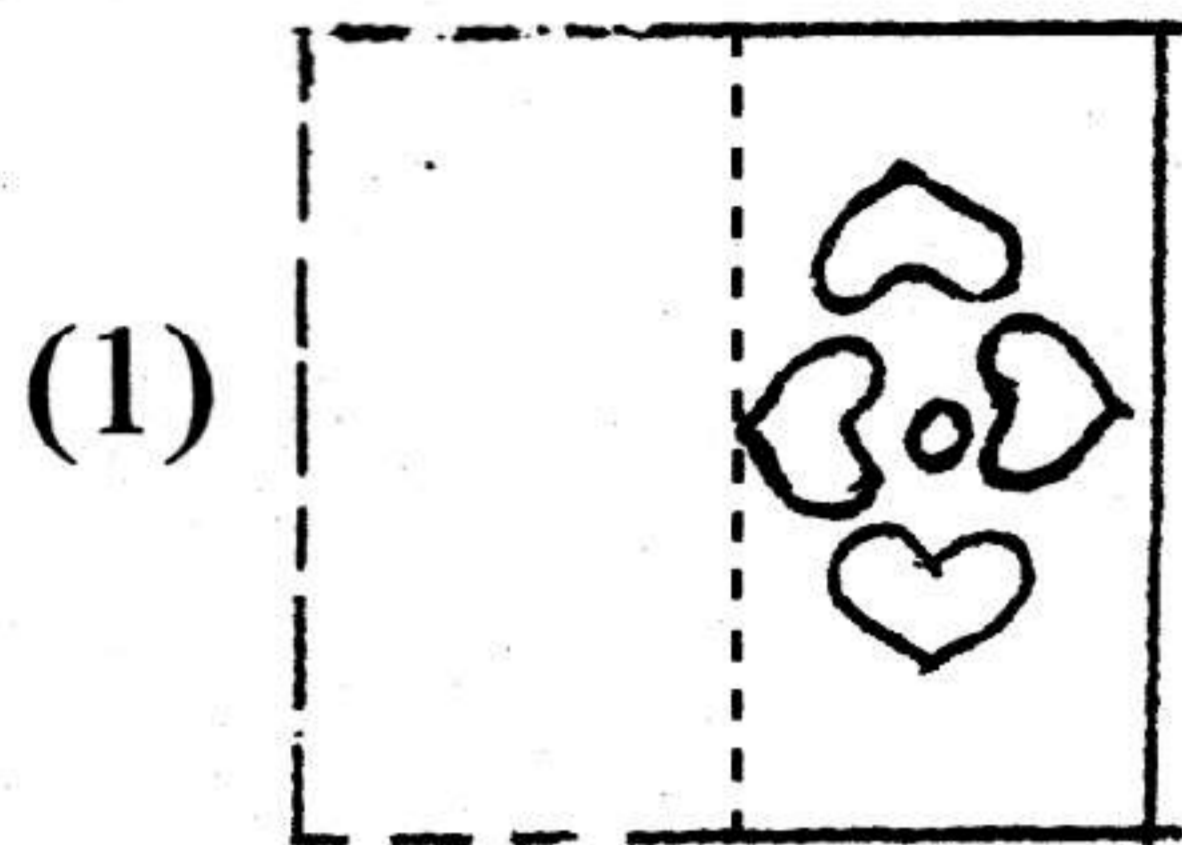
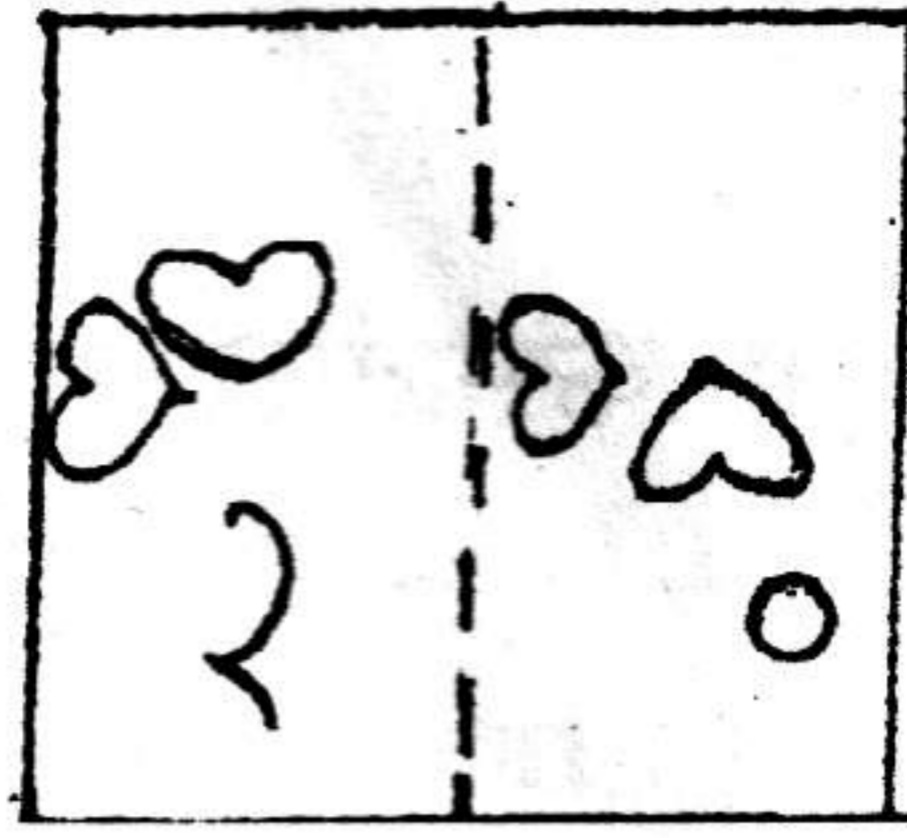
(2) ●

(3) >→

(4) X

SPACE FOR ROUGH WORK

43. In the figure given below, a transparent square shaped paper is folded along the dotted lines. What figure will be obtained ? Find the figure from the alternative figures given.



- Q. 44 and 45 :** Directions — In each of the following questions there is a specific relationship between the first and second number. The same relationship exists between the third and fourth number which will replace the question mark. Select the correct term from the alternatives given.

44. $583 : ? :: 488 : 378$

(1) 291

(2) 293

(3) 487

(4) 581

SPACE FOR ROUGH WORK

45. $13 : 19 :: 31 : ?$

(1) 41

(2) 37

(3) 33

(4) 47

46. In the following question in every row the numbers outside the bracket are related to number inside the bracket in a specific manner. From the given alternatives find the right number which matches and will replace the question mark.

64 (87) 343

49 (76) 216

36 (?) 512

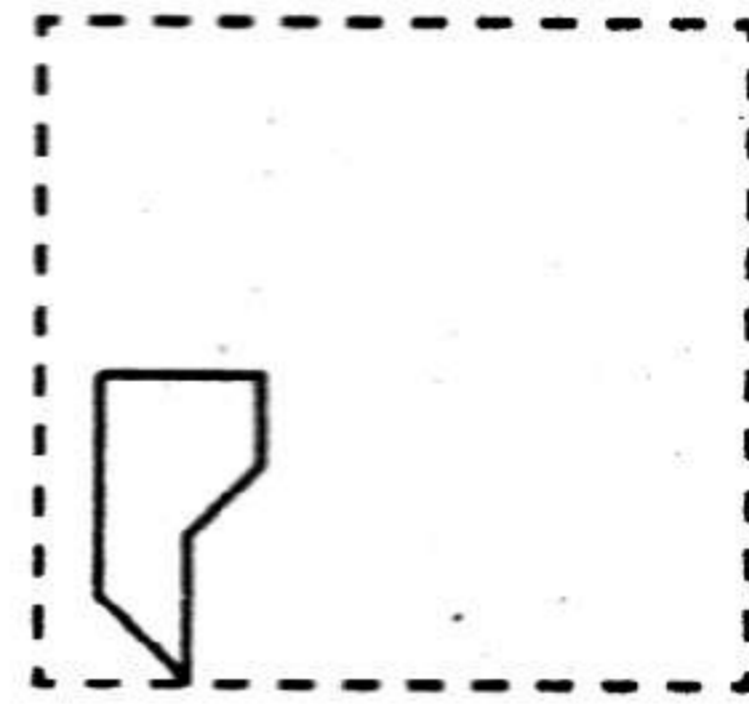
(1) 68

(2) 59

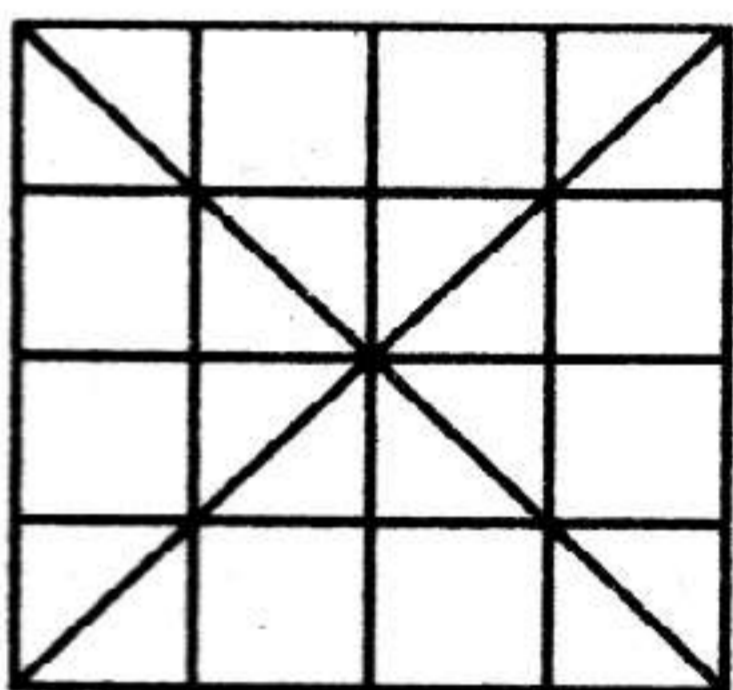
(3) 52

(4) 48

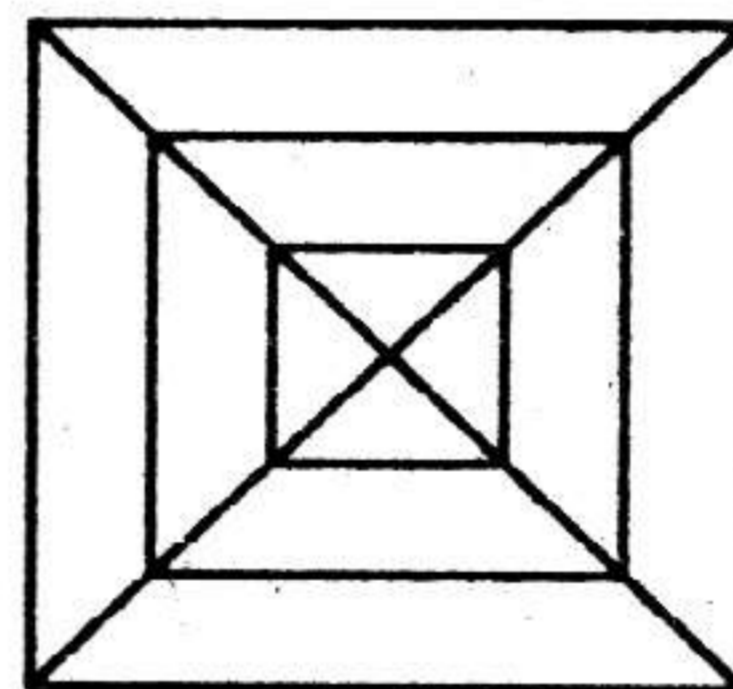
47. After folding a square piece of paper, it appears as shown in the left side question figure. The paper when unfolded will look like as shown in one of the alternatives. Select the correct alternative.



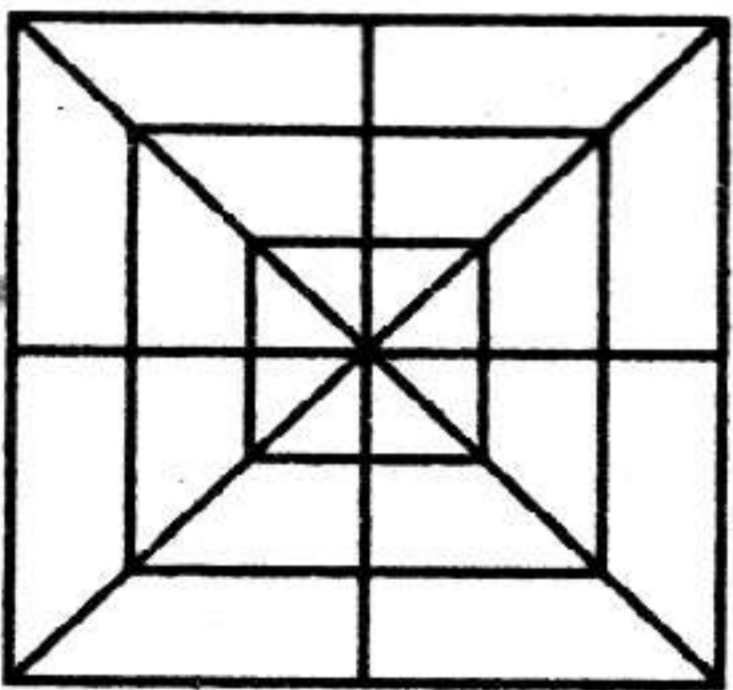
(1)



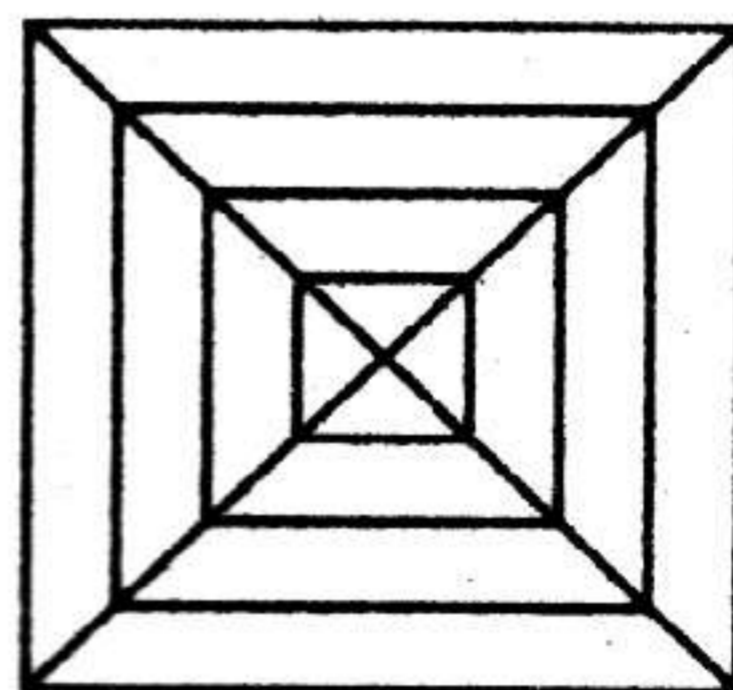
(2)



(3)

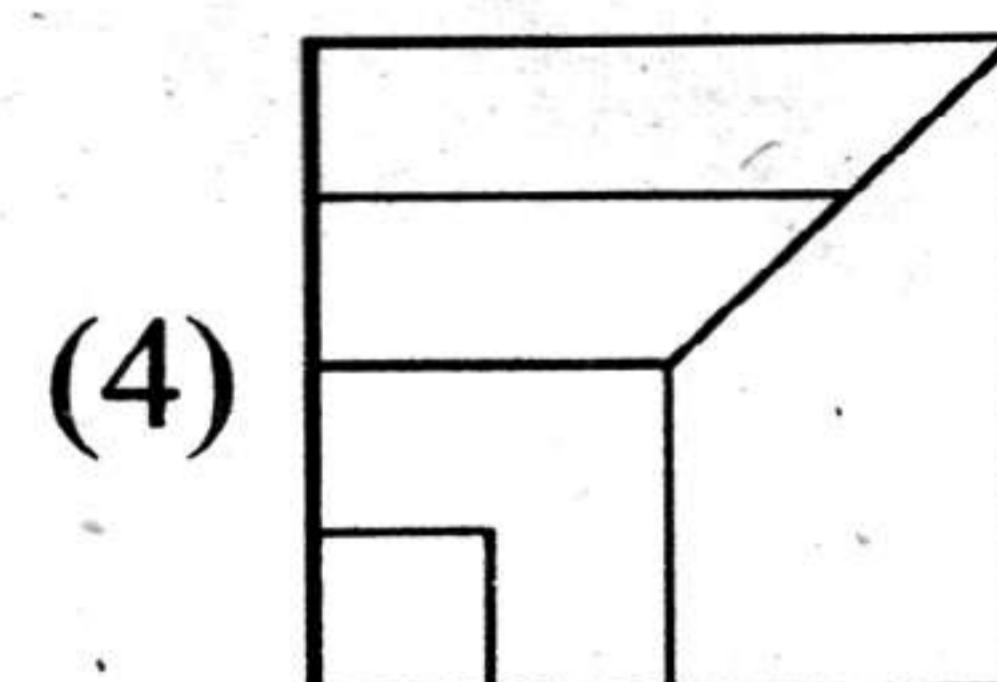
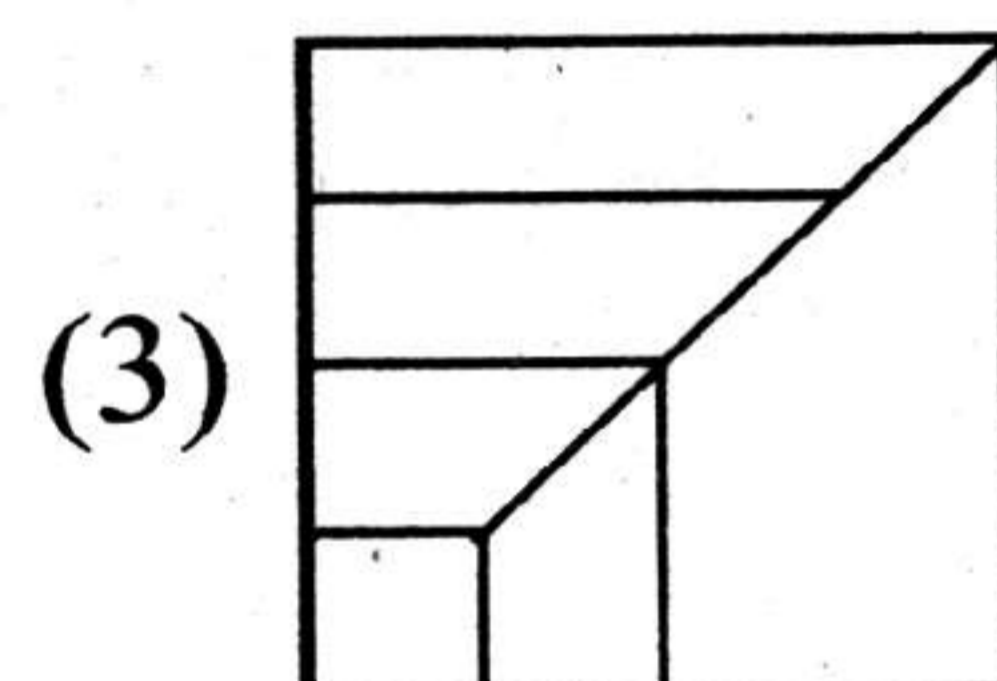
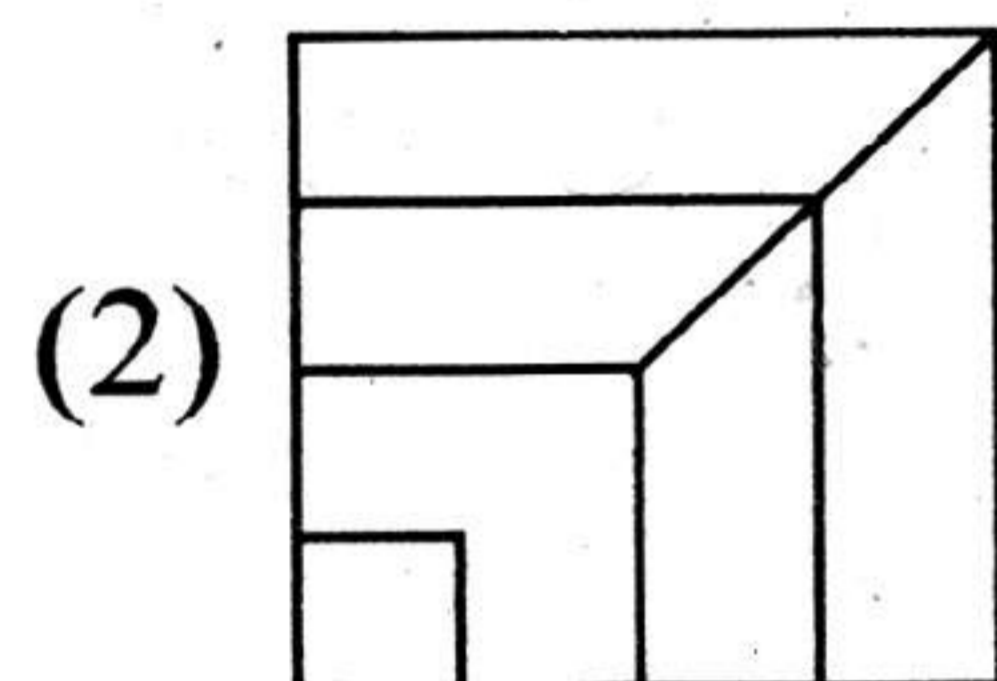
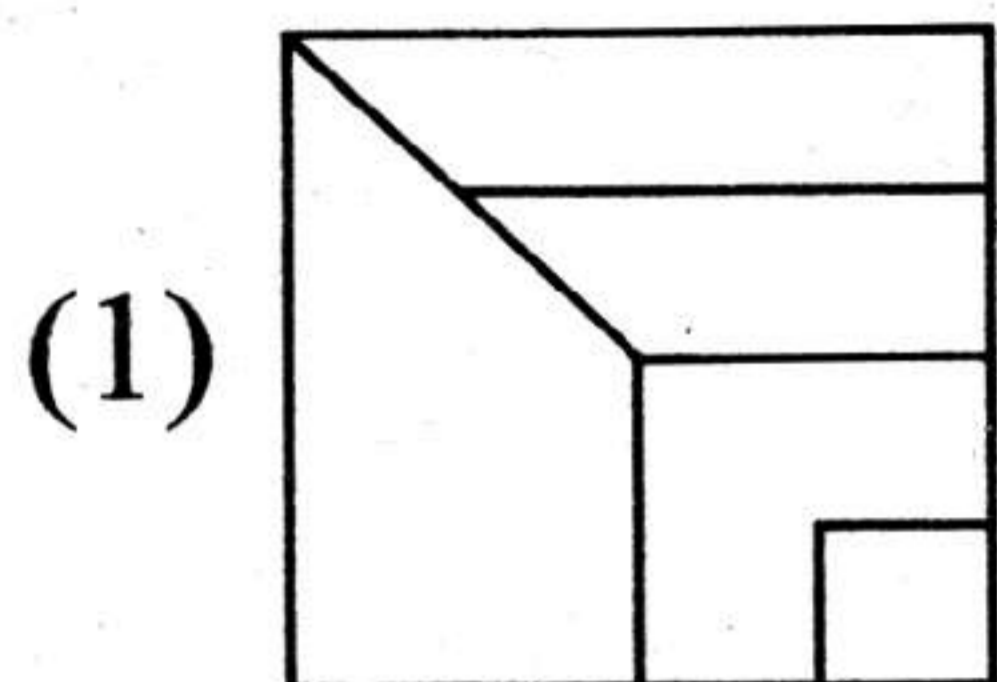
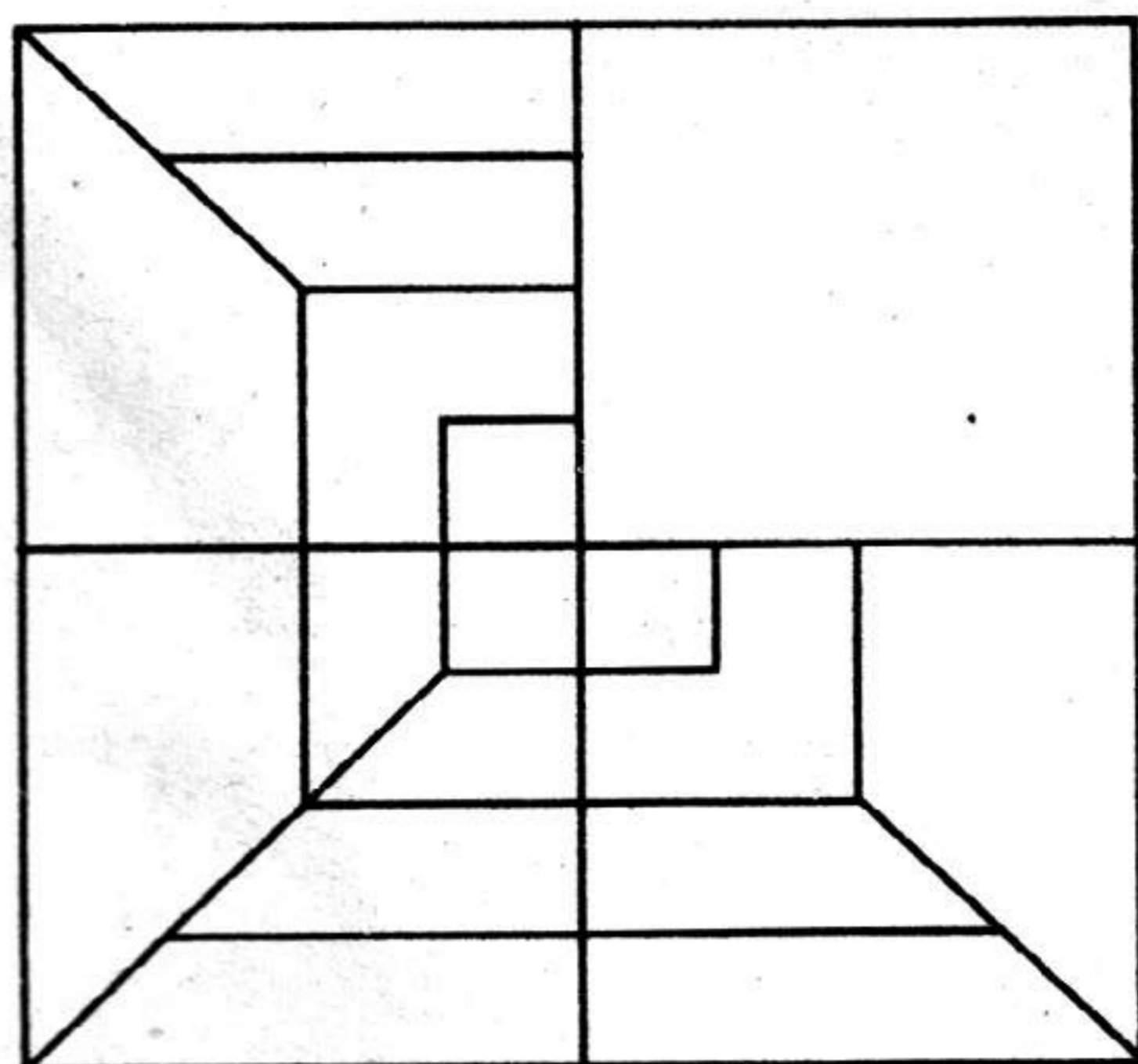


(4)



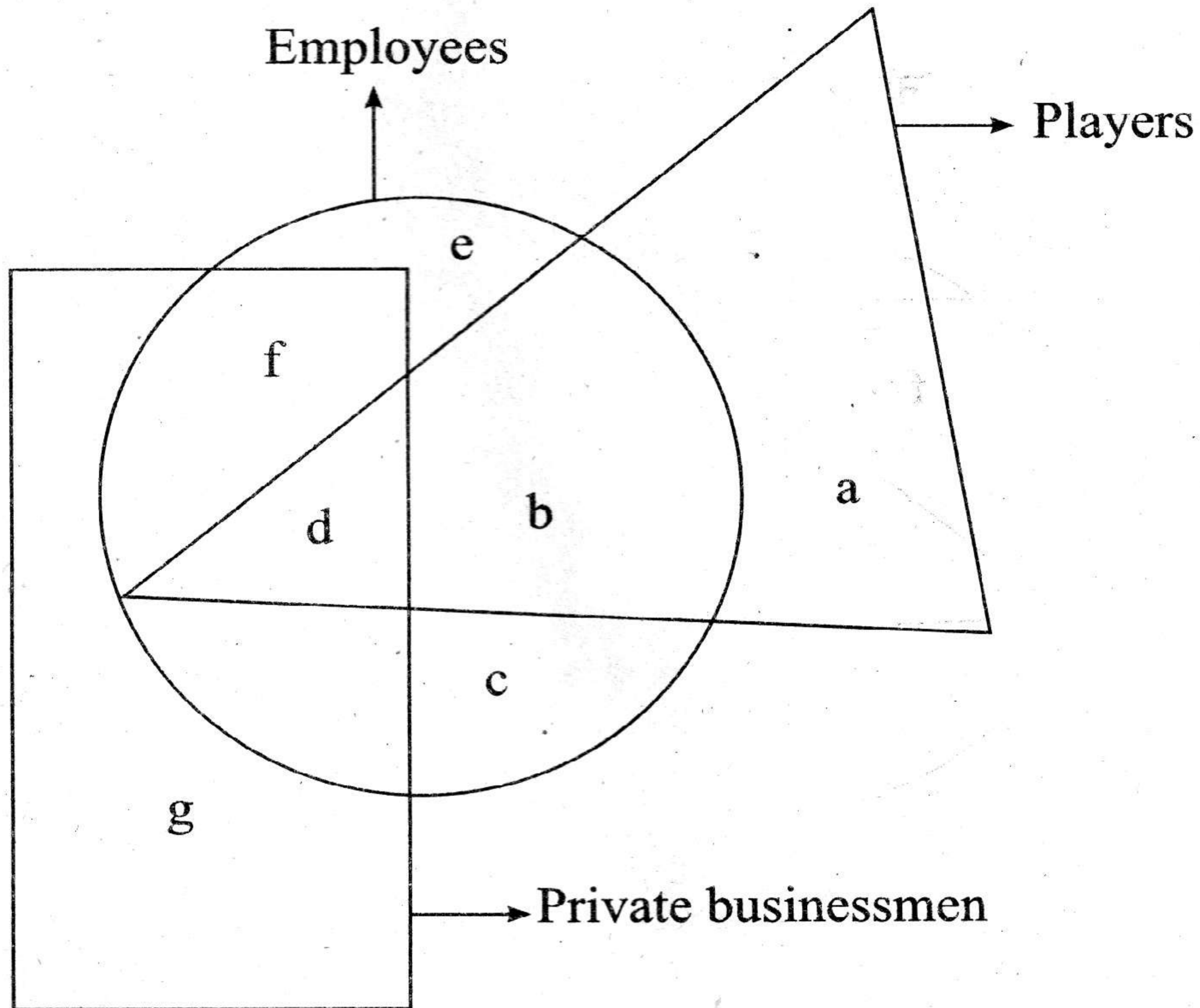
SPACE FOR ROUGH WORK

48. The following question figure given at left side is incomplete. Select the correct alternative which can complete the figure.



SPACE FOR ROUGH WORK

Q. 49 and 50 : Directions— In the following diagram, three geometrical figures have been drawn intersecting each other. The labels have been given to different parts. Each figure represent a specific group of people. Observe the figure closely and answer the questions that follow.



SPACE FOR ROUGH WORK

49. How many employee players do private business?

(1) b

(2) a

(3) c

(4) d

50. How many players are unemployed?

(1) b

(2) d

(3) a

(4) c

SPACE FOR ROUGH WORK