Directions (1-5): In each of the questions below, some statements are given followed by two conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follow from the given statements disregarding commonly known facts.

Q1. Statements: Some Plates are Spoon.
Only a few Cup are Plates.
No spoon is Table.
Conclusions: I. Some Cup are Table.
II. Some Plates are not Table.
(a) The only conclusion I follow.
(b) If only conclusion II follows.
(c) If either conclusion I or II follows.
(d) If neither conclusion I nor II follows.

Q2. Statements: Some A are B.
Only B are C.
Some A are D.
Conclusions: I. Some D are B.
II. No D is B.
(a) If only conclusion I follows.
(b) If only conclusion II follows.
(c) If either conclusion I or II follows.
(d) If neither conclusion I nor II follows.

Q3. Statements:
Only Chair are Bed.
Some Chair are Table.
All Table are Floor.
Conclusions: I. Some chair are Floor.
II. Some Bed are Table.
(a) The only conclusion I follow.
(b) If only conclusion II follows.
(c) If either conclusion I or II follows.
(d) If neither conclusion I nor II follows.

Q4. Statements: All G are H.
Only a few H are I.
No I is D

Conclusions: I. Some D are G.
II. All I are H is a possibility.
(a) If only conclusion I follows.
(b) If only conclusion II follows.
(c) If either conclusion I or II follows.
(d) If neither conclusion I nor II follows.

Q5. Statements: Some Bus are Car.
Only a few Car are Train.
Some Jeep are Bus.
Conclusions: I. Some Bus are Train.
II. No Jeep is Car.
(a) If only conclusion I follows.
(b) If only conclusion II follows.
(c) If either conclusion I or II follows.
(d) If neither conclusion I nor II follows.

Directions (6-10): Study the following information carefully and answer the questions given below.
Six persons A, B, C, T, U, V sit around a circular table but not necessarily in the same order. Some of them are facing towards the center and some of them are facing away from the center. Not more than two persons sitting together will face the same direction.
B sits third to the right of the V. T sits to the immediate left of V. Two persons sit between T and U. V sits second to the left of U. T and U face opposite directions to each other. T sits 2nd to the right of C. A sits to the immediate right of B. A faces away from the center.

Q6. How many persons sit between A and V when counted from the right of A?
(a) One
(b) Two
(c) Four
(d) Three

Q7. Who sits second to the right of the one who sits immediately to the left of T?
(a) B
(b) A
(c) U
(d) C

Q8. Four of the following five belong to a group in a certain way, find which of the one does not belong to that group?
(a) A-V
(b) T-C
(c) V-U
(d) V-C

Q9. If all persons are sitting according to the alphabetically order starting from A in clockwise direction, then how many persons remain unchanged?
(a) One
(b) Two
(c) Three
(d) Four

Q10. Who sits second to the right of the U?
(a) B
(b) C
(c) A
(d) Either B or A

Directions (11-13): Study the following alphanumeric series carefully and answer the questions given below:
E 2 % 4 Z @ 1 H * 3 I 5 @ 6 K $ N M 8 @ Q

Q11. How many such alphabets are there which are immediately preceded by a number and immediately followed by a symbol?
(a) One
(b) Three
(c) Two
(d) Four

Q12. Which element is 3rd to the left of the element which is 4th from the right end?
(a) K
(b) I
(c) @
(d) N

Q13. What will be the sum of the 2nd number from the left end and 3rd number from the right end?
(a) 10
(b) 9
(c) 13
(d) 7

Directions (14-16): Study the following information carefully and answer the questions given below.
In the certain code language:
"Foundation stones of projects" is coded as "bn mz am ik"
"Redevelopment projects for beautification" is coded as "bn ye tu lt"
"Significant stones for performing" is coded as "ik ye mb et"
"Redevelopment plans of transport" is coded as "am af tu bx"

Q14. What may be the code of "Projects"?
(a) lt
(b) ik
(c) bn
(d) mz

Q15. If "Significant redevelopment of transport" is coded as "bx am tu et" then what may be the code of "Plans of foundation"?
(a) tu lt am
(b) bn et af
(c) am af ik
(d) mz am af

Q16. What may be the code of "Performing"?
(a) mb
(b) lt
(c) et
(d) Either mb or et

Directions (17-19): Study the following alphanumeric symbol series carefully and answer the question given below.
A 2 3 # @ F 4 $ 5 & G * 6 # H A 7 E I & A K L 9 + M

Q17. How many such numbers are there which are immediately followed by a symbol and immediately preceded by a letter?
(a) One
(b) Two
(c) Four
(d) Three

Q18. How many symbols are there between the 4th element from left end and the element 6th from the right end?
(a) One
(b) Two
(c) More than three
(d) Three

Q19. Which of the following element is fourth to the right of the seventh element from the left end in the given series?
(a) &
(b) 5
(c) G
(d) *

Direction (20): Study the following information carefully and answer the questions given below.
Eight persons A-H sit in a row such that all of them face towards north but not necessarily in the same order. Two persons sit between A and B. H sits third from one of the ends. B sits to the left of H but not immediate left. A does not sit immediate left of H. B does not sit at the end. One person sits between H and D. Number of persons sits between B and D is one more than the number of persons sit between C and E. C is not adjacent to B. F sits to the right of H.

Q20. Who among the following sits second to the left of F?
(a) E
(b) A
(c) C
(d) D

Solutions

S1. Ans.(b)
Sol. I. Does not follow- There is no direct relation between Cup and Table.
II. Follow- Some plates which are spoons are not tables.
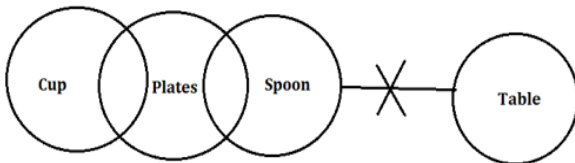
S2. Ans.(c)
Sol. I. Does not follow- There is no direct relation between D and B.
II. Does not follow- There is no direct relation between D and B.
But it satisfies the "either-or condition".
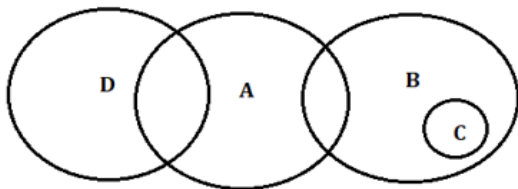
S3. Ans.(a)
Sol. I. Follows- Some chairs are tables and all tables are floor. Therefore, some chairs are also Floor.
II. Does not follow- Bed is only related to chairs.
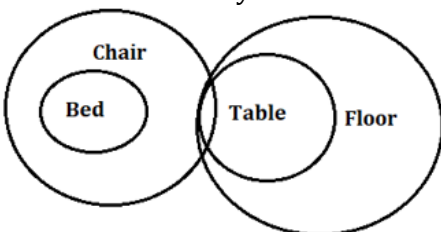
S4. Ans.(b)
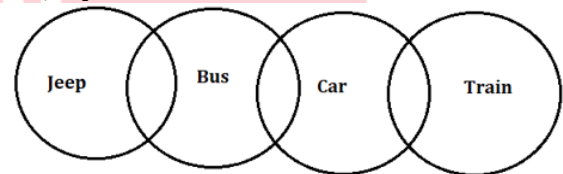**Sol.** I. Does not follow- There is no direct relation between G and D but in possibility it will be true.
II. Follow – All I are G is true in possibility.
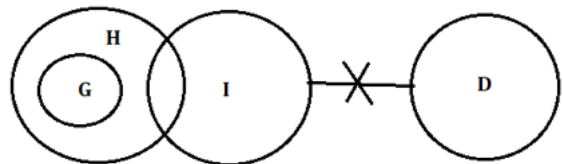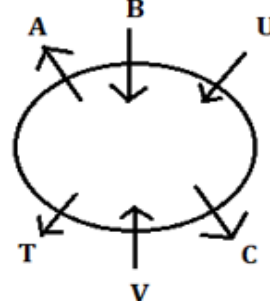

S5. Ans.(d)
Sol. I. Does not follow- There is no direct relation between Bus and Train.
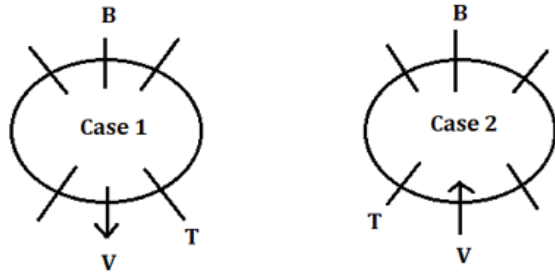II. Does not follow- There is no direct relation between Car and Jeep.

S6. Ans.(d)
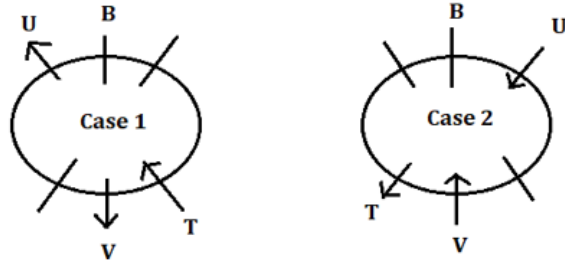**Sol. Final arrangement:**

Explanation:

Clues: B sits third to the right of the V. T sits to the immediate left of V.

Inference: From the above conditions there are two possibilities.

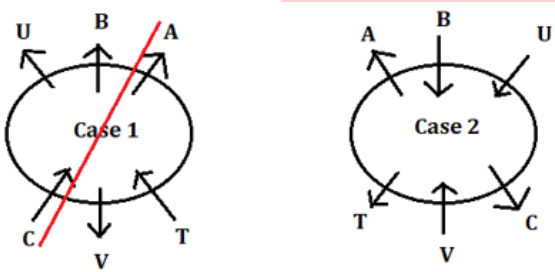**Clues:** Two persons sit between T and U. V sits second to the left U. T and U face opposite direction to each other.

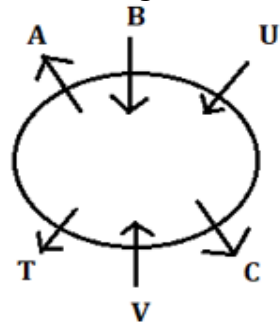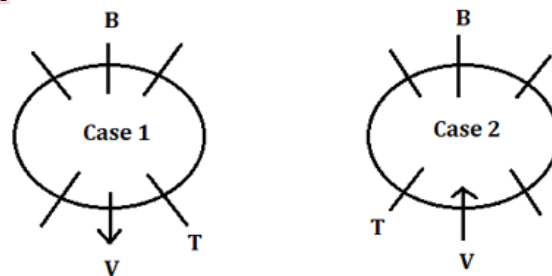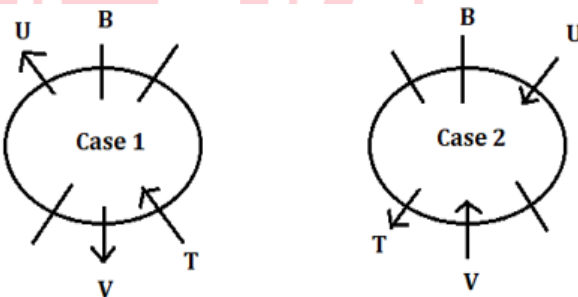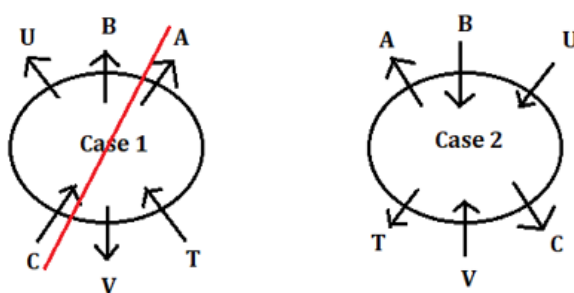**Inference:** U will face away from the center in case 1 and face towards the center in case 2.

Clues: T sits 2nd to the right of C. A sits to the immediate right of B. A faces away from the center.

Inference: From the above conditions case 1 is ruled out because not more than two persons sit together will face same direction.

Final Arrangement:

Three persons sit between A and V when counted from the right of A.

S7. Ans.(c)

Sol. Final arrangement:
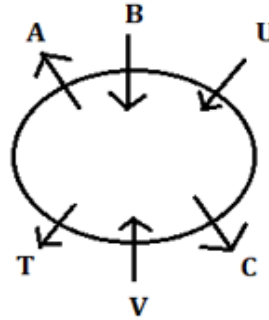
Explanation:

Clues: B sits third to the right of the V. T sits to the immediate left of V.

Inference: From the above conditions there are two possibilities.

Clues: Two persons sit between T and U. V sits second to the left U. T and U face opposite direction to each other.

Inference: U will face away from the center in case 1 and face towards the center in case 2.
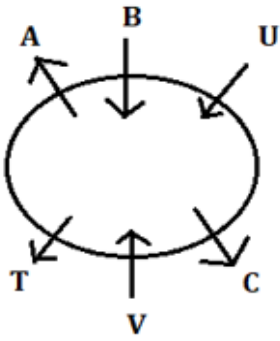

Clues: T sits 2nd to the right of C. A sits to the immediate right of B. A faces away from the center.

Inference: From the above conditions case 1 is ruled out because not more than two persons sit together will face same direction.
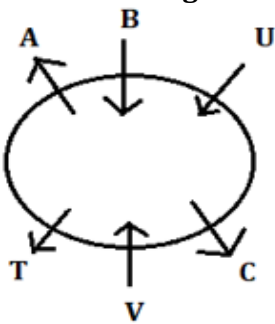
Final Arrangement:

V sits immediately to the left of T. U sits second to the right of V.
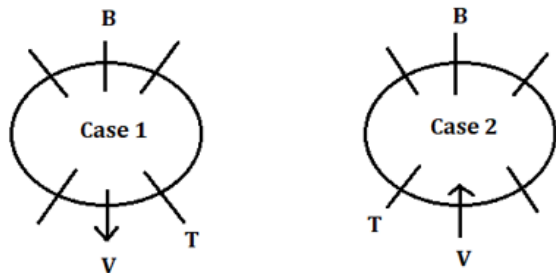
S8. Ans.(d)
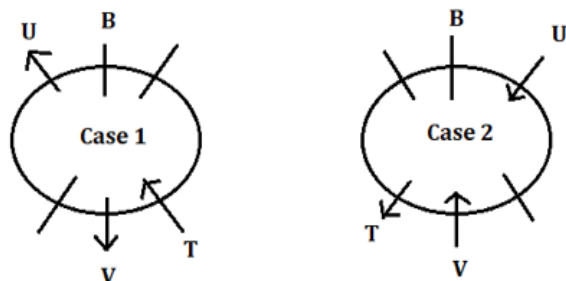**Sol. Final arrangement:**

Explanation:
Clues: B sits third to the right of the V. T sits to the immediate left of V.
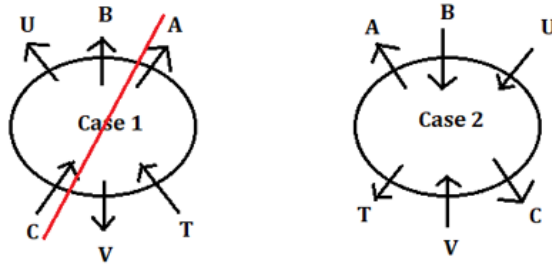**Inference:** From the above conditions there are two possibilities.

Clues: Two persons sit between T and U. V sits second to the left U. T and U face opposite direction to each other.
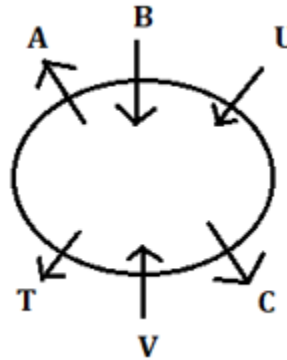**Inference:** U will face away from the center in case 1 and face towards the center in case 2.

Clues: T sits 2nd to the right of C. A sits to the immediate right of B. A faces away from the center.
Inference: From the above conditions case 1 is ruled out because not more than two persons sit together will face same direction.
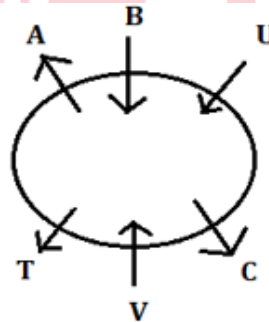

Final Arrangement:

Except V-C, one person sits between first person and second person in other options.
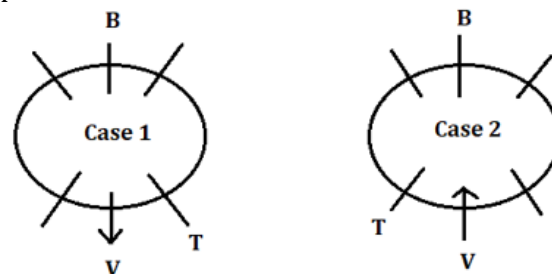
S9. Ans.(b)
Sol. Final arrangement:
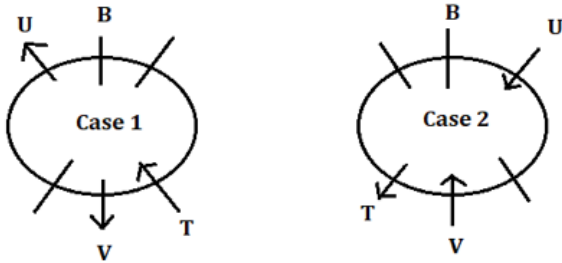

Explanation:
Clues: B sits third to the right of the V. T sits to the immediate left of V.
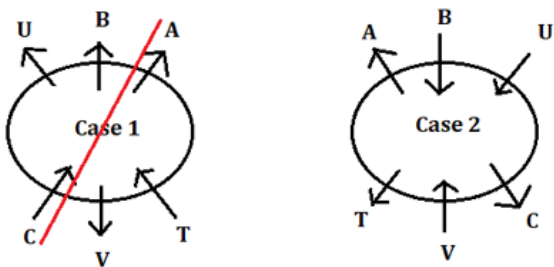**Inference:** From the above conditions there are two possibilities.

Clues: Two persons sit between T and U. V sits second to the left U. T and U face opposite direction to each other.

Inference: U will face away from the center in case 1 and face towards the center in case 2.

Clues: T sits 2nd to the right of C. A sits to the immediate right of B. A faces away from the center.

Inference: From the above conditions case 1 is ruled out because not more than two persons sit together will face same direction.

Final Arrangement:

Except A and B, no one remains at their same place.

S10. Ans.(c)
Sol. Final arrangement:
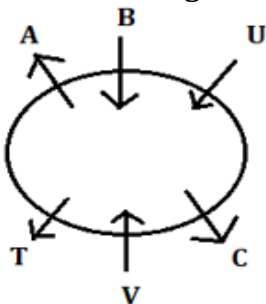
Explanation:
Clues: B sits third to the right of the V. T sits to the immediate left of V.

Inference: From the above conditions there are two possibilities.

Clues: Two persons sit between T and U. V sits second to the left U. T and U face opposite direction to each other.

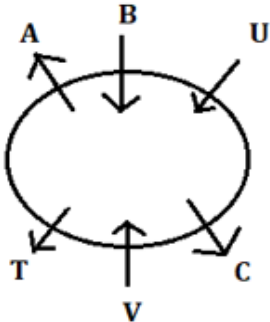**Inference:** U will face away from the center in case 1 and face towards the center in case 2.

Clues: T sits 2nd to the right of C. A sits to the immediate right of B. A faces away from the center.

Inference: From the above conditions case 1 is ruled out because not more than two persons sit together will face same direction.
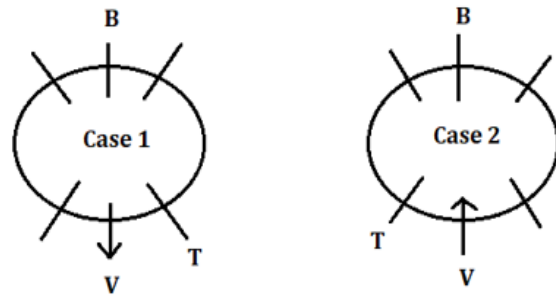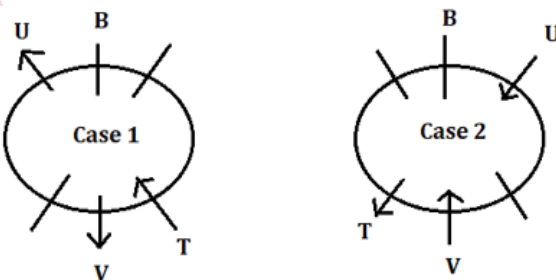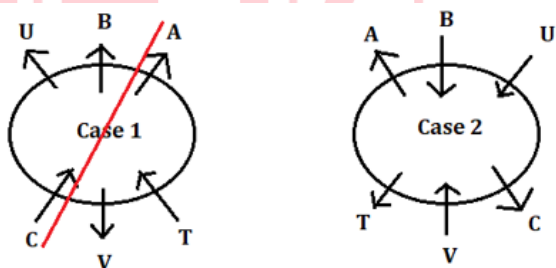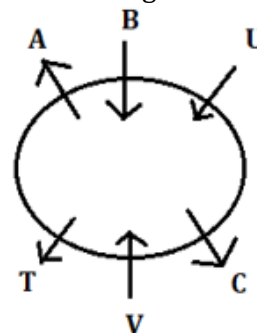

Final Arrangement:

A sits second to the right of U

S11. Ans.(b)
Sol. There are three such alphabets (4**Z**@, 1**H***, 6**K**$).

S12. Ans.(a)
Sol. 4th element from right end – M
So, K is 3rd to the left of M.

S13. Ans.(b)
Sol. 2nd number from left end – 4
3rd number from right end – 5
So, the required sum = 9

S14. Ans.(c)
Sol.

Words	Codes
Foundation	Mz
Stones	Ik
Of	Am
Projects	Bn
Redevelopment	Tu
For	Ye
Beautification	Lt
Significant/Performing	Mb/Et
Plans/Transport	Af/Bx

S15. Ans.(d)
Sol.

Words	Codes
Foundation	Mz
Stones	Ik
Of	Am
Projects	Bn
Redevelopment	Tu
For	Ye
Beautification	Lt
Significant/Performing	Mb/Et
Plans/Transport	Af/Bx

S16. Ans.(d)
Sol.

Words	Codes
Foundation	Mz
Stones	Ik
Of	Am
Projects	Bn
Redevelopment	Tu
For	Ye
Beautification	Lt
Significant/Performing	Mb/Et
Plans/Transport	Af/Bx

S17. Ans.(b)
Sol. Numbers which are immediately followed by a symbol and immediately preceded by a letter are **F   4 $**, **L   9   +** i.e., Two such pairs are there in the series.

S18. Ans.(c)
Sol. There are six symbols between the 4th element from left end and the element 6th from the right end i.e., @, $, &, *, #, &

S19. Ans.(c)
Sol. seventh element from the left end – 4
Fourth element to the right of 4 - G

S20. Ans.(a)
Sol. Final arrangement:

A   C   G   B   E   H   F   D
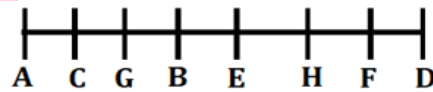
Explanation:
Clues: Two persons sit between A and B. H sits third from one of the ends. B sits to the left of H but not immediate left. A does not sit immediate left of H. B does not sit at the end.
Inference: From the above conditions there are three possibilities i.e., Case 1, Case 2 and Case 3.

Case 1: B   H   A
Case 2: A   B   H
Case 3: B   H   A
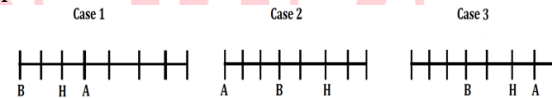
Clues: One person sits between H and D. Number of persons sits between B and D is one more than the number of persons sit between C and E. C is not adjacent to B.
Inference: From the above conditions Case 1 is cancelled here as there is no place for C and E.

Case 1: B   H   A   D
Case 2: A   C   B   E   H   D
Case 3: C   B   E   H   A   D
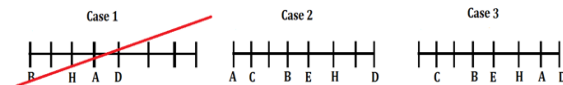
Clue: F sits to the right of H.
Inference: From the above conditions Case 3 is cancelled here as there is no place for F.

Case 2: A   C   G   B   E   H   F   D
Case 3: C   B   E   H   A   D
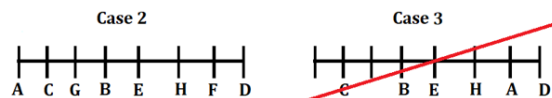
Inference: Final arrangement:

A   C   G   B   E   H   F   D

E sits second to the left of F.