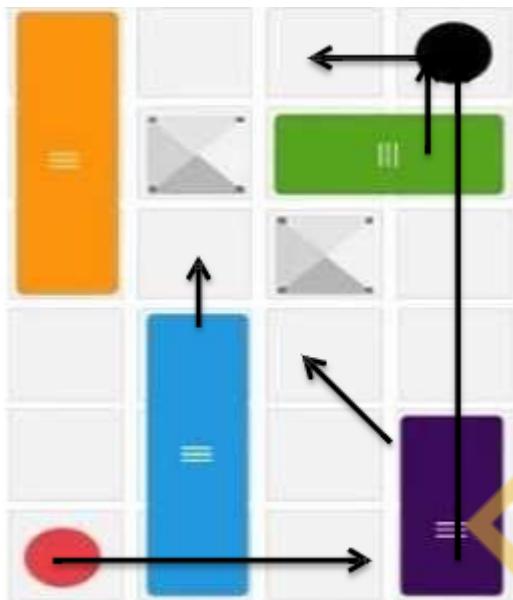


Cognizant Game Based Questions

Type-1: Motion Challenge: In this challenge, you have a red ball and a hole, and your goal is to get the ball into the hole. However, there's a twist: the path is filled with obstacles. Some obstacles will be movable and some will be fixed. Your task is to strategically move these obstacles to create a clear path, allowing the ball to reach the hole successfully.

Q1.

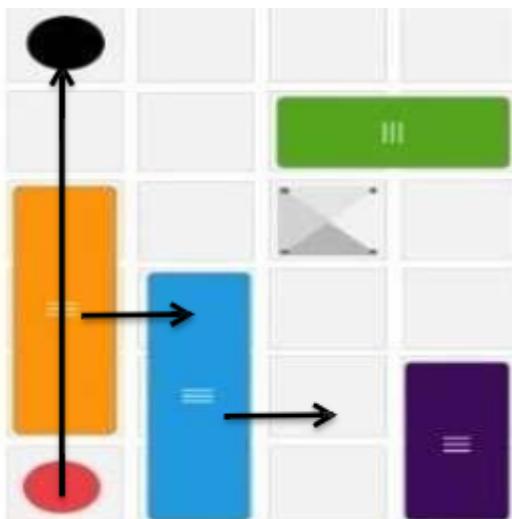


In this image, a red ball must reach a black hole, but there are obstacles in orange, green, blue, and purple. Your goal is to move these obstacles with the fewest possible steps, clearing a path for the ball to reach the hole.

1. Blue goes up
2. Purple goes left
3. Green goes up
4. Then left
5. Ball goes right
6. Then up

Total steps: 6

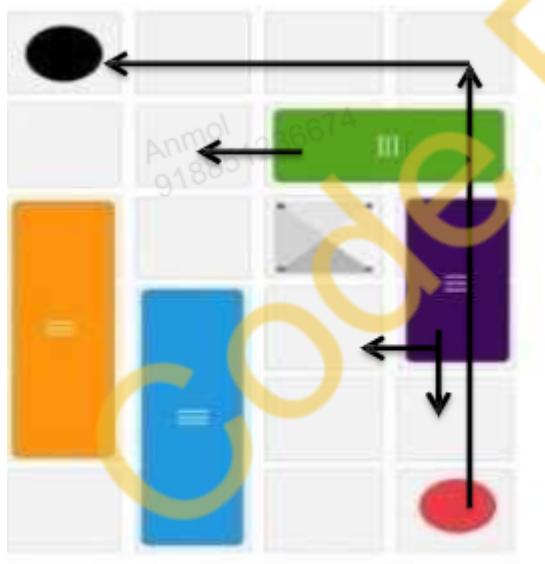
Q2.



1. Blue goes right
2. Orange goes right
3. Ball goes to the hole

Total Steps: 3

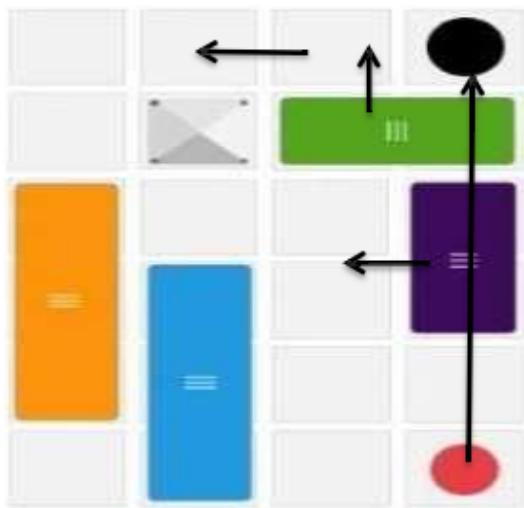
Q3.



1. Purple goes down
2. Then left
3. Green goes left
4. Ball goes up
5. Then into the hole

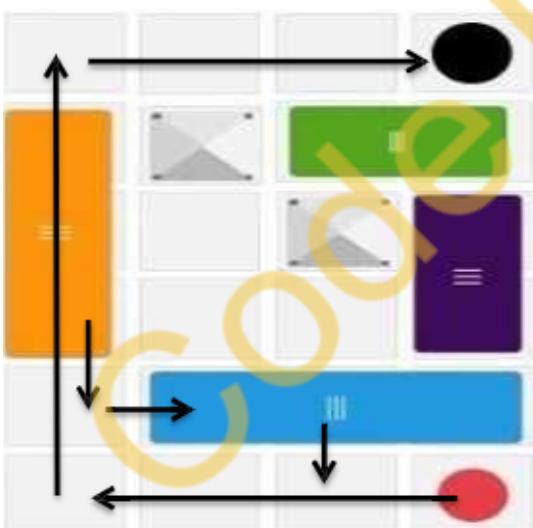
Total steps: 5

Q4.



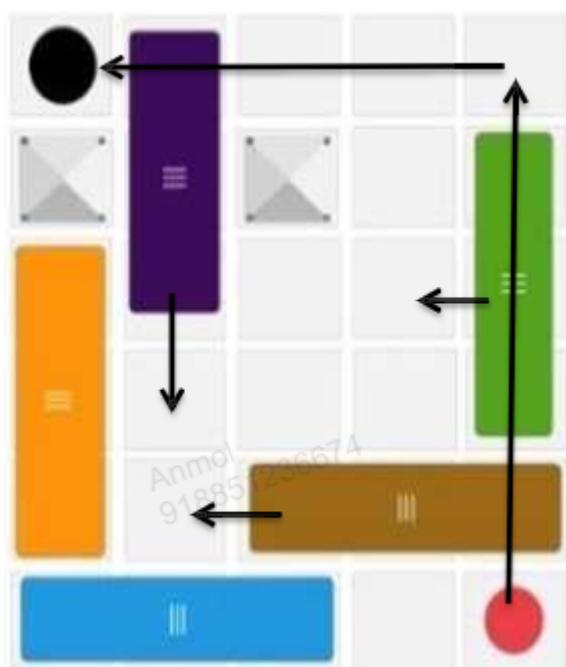
1. Green goes up
 2. Then left
 3. Purple goes left
 4. Ball goes to hole
- Total steps: 4

Q5.



1. Ball goes left
 2. Blue goes down
 3. Orange comes down
 4. Then right
 5. Ball goes up
 6. Then to the hole
- Total steps: 6

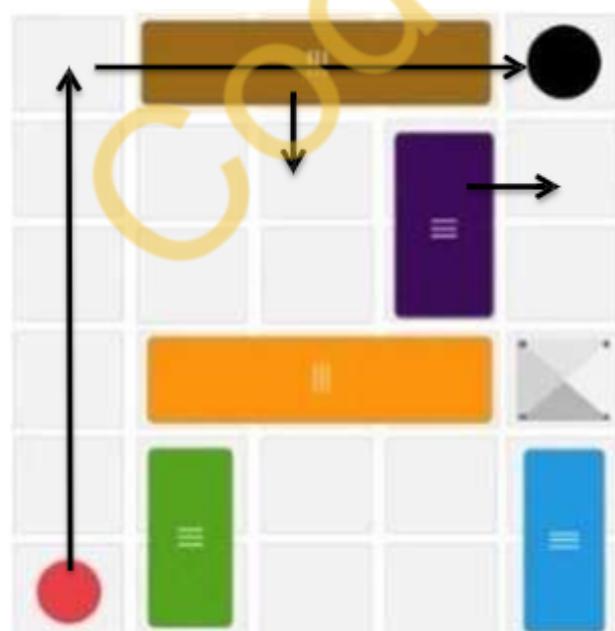
Q6.



1. Brown goes to the left
2. Green goes to left
3. Purple comes down
4. Ball goes up
5. Then to the hole

Total steps: 5

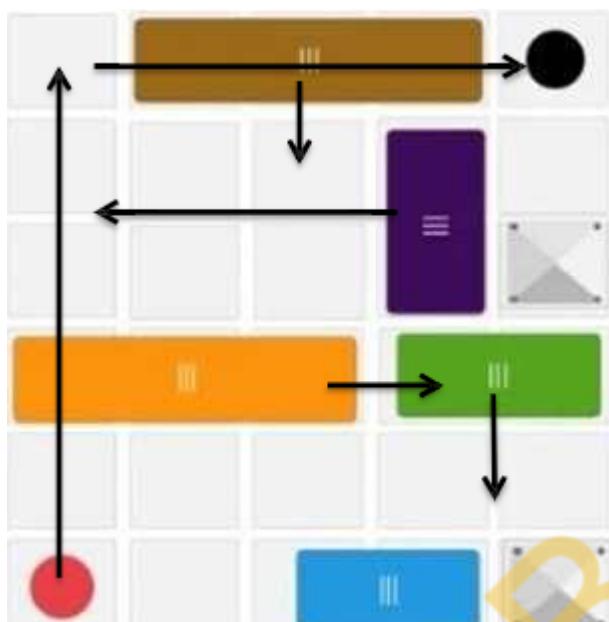
Q7.



1. Ball goes up
2. Purple goes to right
3. Brown comes down
4. Ball goes to the hole

Total steps: 4

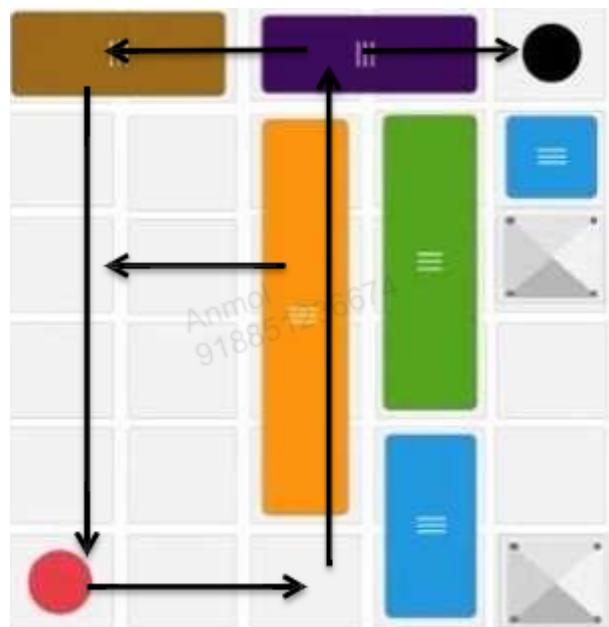
Q8.



1. Green comes down
2. Orange goes right
3. Ball goes up
4. Purple goes left
5. Brown comes down
6. Ball goes to hole

Total steps: 6

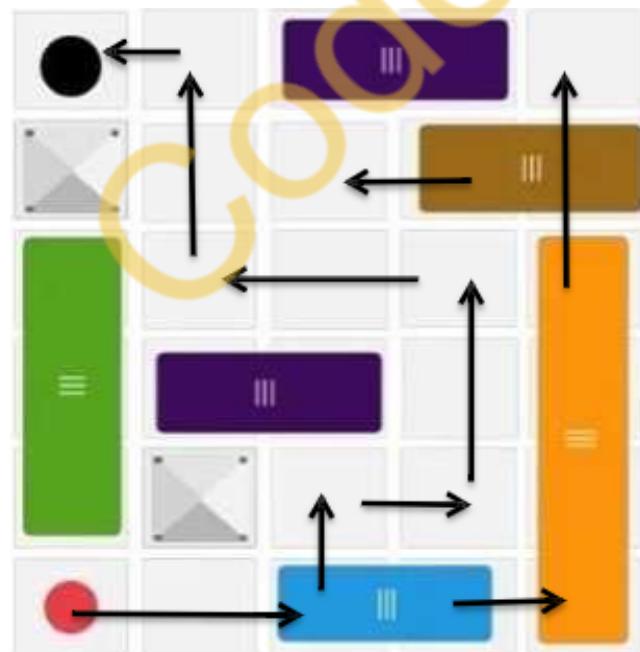
Q9.



1. Ball goes right
2. Brown comes down
3. Orange goes left
4. Purple goes left
5. Ball goes up
6. Ball goes to the hole

Total steps: 6

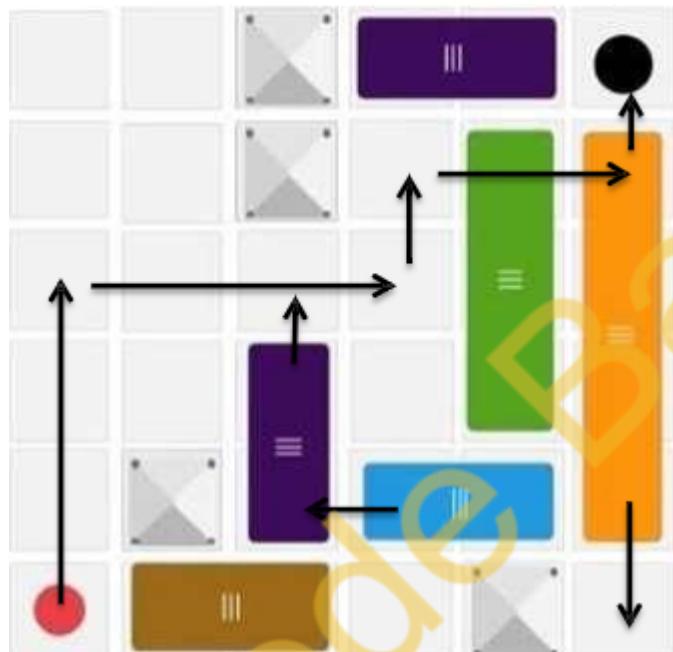
Q10.



1. Brown goes to left
2. Orange goes up
3. Blue goes right
4. Ball goes right
5. Then up
6. Then right
7. Then again up
8. Then left
9. Then up
10. Then to the hole

Total steps: 10

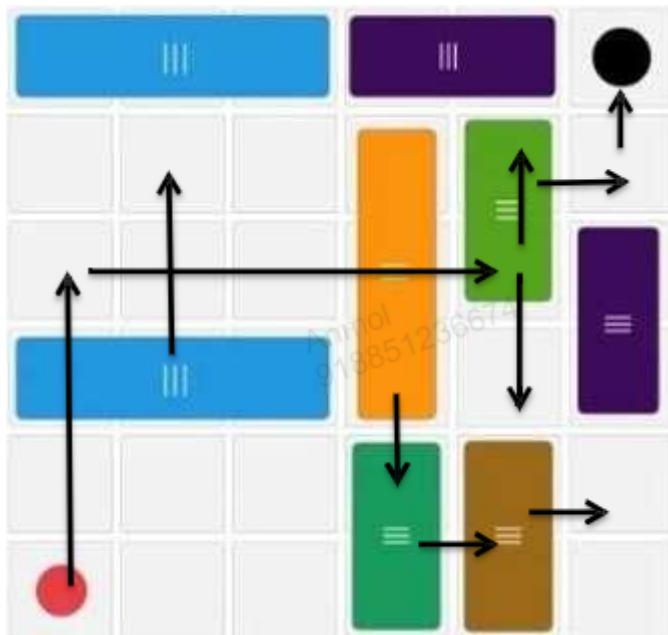
Q11.



1. Ball goes up
2. Then right
3. Then purple goes up
4. Then blue goes left
5. Then orange comes down
6. Green comes down
7. Again ball goes up
8. Then right
9. Then to the hole

Total steps: 9

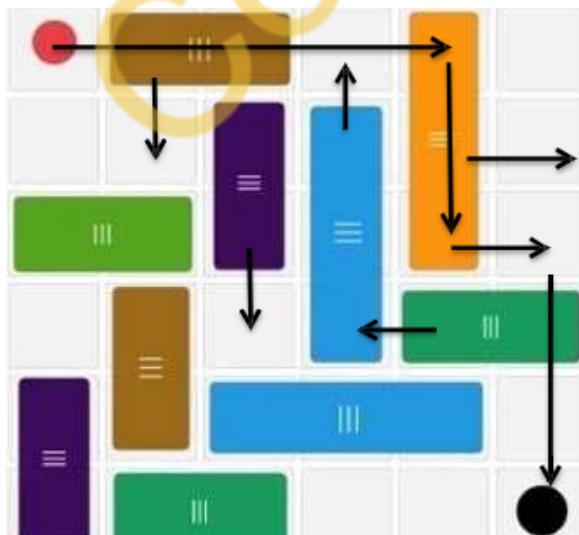
Q12.



1. Blue goes up
2. Brown goes right
3. Green goes right
4. Orange comes down
5. Green comes down
6. Ball goes up
7. Then right
8. Then up
9. Then right
10. Then to the hole

Total steps: 9

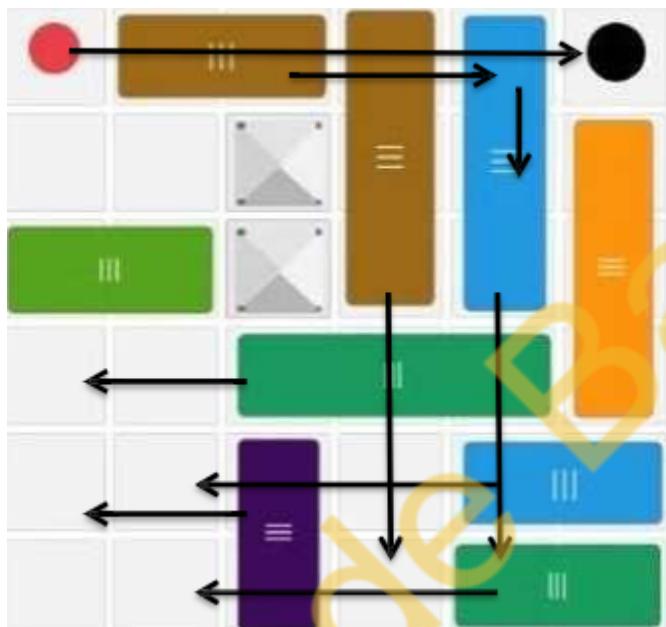
Q13.



1. Purple comes down
2. Brown comes down
3. Orange goes right
4. Ball goes right
5. Blue goes up
6. Green goes right
7. Ball comes down
8. Then right
9. Then to the hole

Total steps: 9

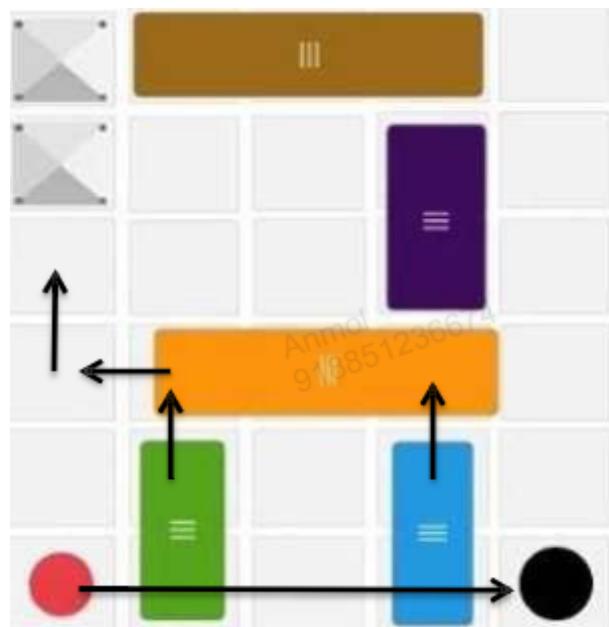
Q14.



1. Purple goes to left
2. Blue goes left
3. Green goes left
4. Green goes left
5. Brown comes down
6. Blue comes down
7. Brown goes left
8. Then down
9. Ball goes to the hole

Total Steps: 9

Q15.



1. Orange goes left
2. Orange goes up
3. Green goes up
4. Blue goes up
5. Ball goes to the hole

Total Steps: 5

Type-2: Digit Challenge: This is a fill-in-the-blank game. You'll be given a mathematical expression with a missing digit, and your task is to fill in the correct digit to ensure the expression's result matches the given value.

Q1.

5 + 4 * ■ = 13		
1	2	3
4	5	6
7	8	9
ANSWER		

Ans: $5+4*2=13$

Q2.

$$\boxed{\square} * 2 + \boxed{\square} = 11$$

1	2	3
4	5	6
7	8	9

Ans: $5 * 2 + 1 = 11$

Q3.

$$\boxed{\square} / 3 + \boxed{\square} + \boxed{\square} = 10$$

1	2	3
4	5	6
7	8	9

Ans: $9/3 + 4 + 3 = 10$

Q4.

$$8 * \boxed{\square} - \boxed{\square} + 6 = 15$$

1	2	3
4	5	6
7	8	9

Ans: $8 * 2 - 7 + 6 = 15$

Q5.

$$\boxed{} + 4 * \boxed{} + 2 = 29$$

1	2	3
4	5	6
7	8	9

Ans: $7 + 4 * 5 + 2 = 29$

Q6.

$$\boxed{} * 3 - \boxed{} * 2 + \boxed{} = 8$$

1	2	3
4	5	6
7	8	9

Ans: $4 * 3 - 5 * 2 + 6 = 8$

Q7.

$$\boxed{} * 3 - \boxed{} - 2 * \boxed{} = 7$$

1	2	3
4	5	6
7	8	9

Ans: $7 * 3 - 4 - 2 * 5 = 7$

Q8.

$$\boxed{\square} * 4 - \boxed{\square} * 2 + \boxed{\square} + \boxed{\square} * 2 = 9$$

1	2	3
4	5	6
7	8	9

Ans: $5 * 4 - 8 * 2 + 3 + 1 * 2 = 9$

Q9.

$$\boxed{\square} * 1 - \boxed{\square} * 4 + \boxed{\square} - 24 / \boxed{\square} = 4$$

1	2	3
4	5	6
7	8	9

Ans: $7 * 1 - 2 * 4 + 9 - 24/6 = 4$

Q10.

$$54 / \boxed{\square} + 4 * \boxed{\square} - \boxed{\square} = 11$$

1	2	3
4	5	6
7	8	9

Ans: $54/9 + 4 * 2 - 3 = 11$

Q11.

$$18 / \boxed{} + \boxed{} * 3 - \boxed{} = 8$$

1	2	3
4	5	6
7	8	9

Ans: $18/9 + 4 * 3 - 6 = 8$

Q12.

$$8 * \boxed{} + \boxed{} - \boxed{} * 7 = 13$$

1	2	3
4	5	6
7	8	9

Ans: $8 * 2 + 4 - 1 * 7 = 13$

Q13.

$$\boxed{} * 5 + \boxed{} - \boxed{} * 2 = 7$$

1	2	3
4	5	6
7	8	9

Ans: $3 * 5 + 4 - 6 * 2 = 7$

Q14.

$$5 * \boxed{} - \boxed{} * 2 + \boxed{} + \boxed{} / 4 = 9$$

1	2	3
4	5	6
7	8	9
		

Ans: $5 * 3 - 7 * 2 + 6 + 8/4 = 9$

Q15.

$$35 / \boxed{} + 2 * \boxed{} + 4 - \boxed{} = 9$$

1	2	3
4	5	6
7	8	9
		

Ans: $35/7 + 2 * 3 + 4 - 6 = 9$

Q16.


$$\boxed{} * \boxed{} + \boxed{} / \boxed{} = 5$$

1	2	3
4	5	6
7	8	9
		

Ans: $3 * 1 + 8/4 = 5$

Q17.

$$\boxed{\square - 8 * \square - 4 - \square + \square + 9 = 3}$$

1	2	3
4	5	6
7	8	9

Ans: $7 - 8 * 1 - 4 - 3 + 2 + 9 = 3$

Q18.

$$\boxed{\square + 6 - \square - 2 + \square - \square * 1 = 3}$$

1	2	3
4	5	6
7	8	9

Ans: $5 + 6 - 4 - 2 + 7 - 9 * 1 = 3$

Q19.

$$\boxed{\square + 2 - \square + 4 * \square + \square = 18}$$

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1	2	3
4	5	6
7	8	9

Ans: $8 + 2 - 9 + 4 * 3 + 5 = 18$

Q20.

$$\square - \square - \square * \square + 9 = 2$$

1 2 3

4 5 6

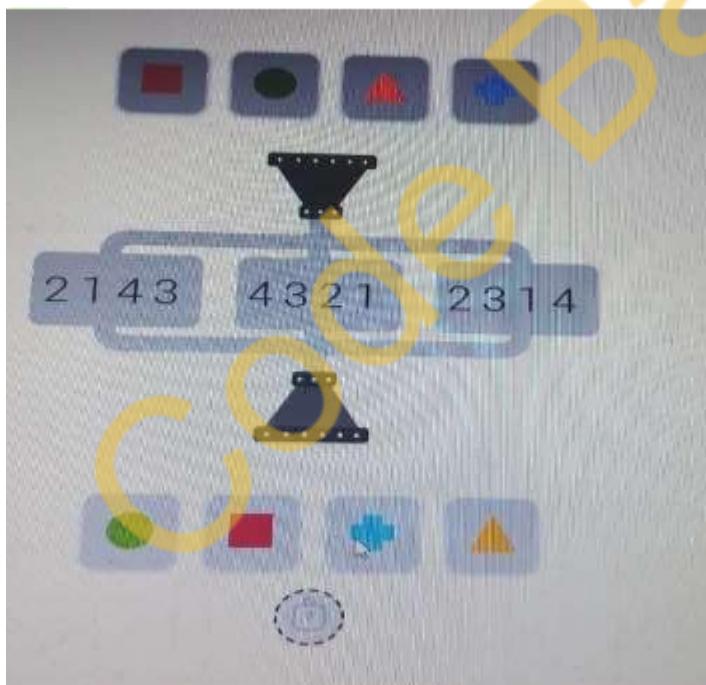
7 8 9



Ans: $7 - 6 - 2 * 4 + 9 = 2$

Type-3: Switch Challenge: In this game, there are 4 figures at the top and 4 figures at the bottom. You'll also have a machine that has digits which are the combination of top figures. Your task is to select the correct combination from the top figures to generate the given combination of figures at the bottom.

Q1.



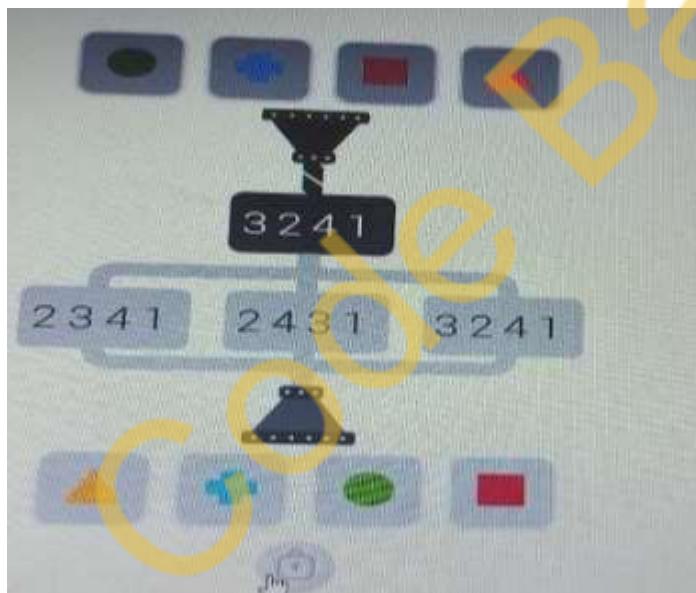
Answer : 2143

Q2.



Answer : 1243

Q3.



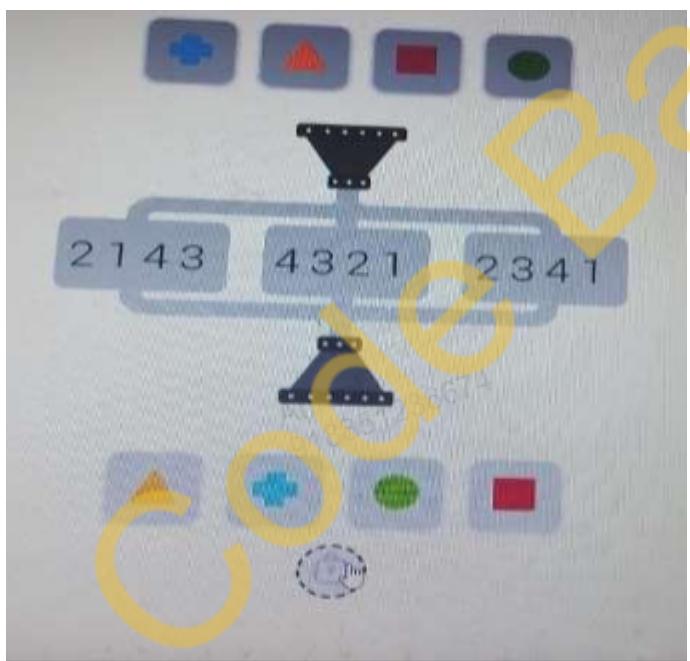
Answer : 3241

Q4.



Answer : 2314

Q5.



Answer : 2143

Q6.



Answer : 3241

Q7.



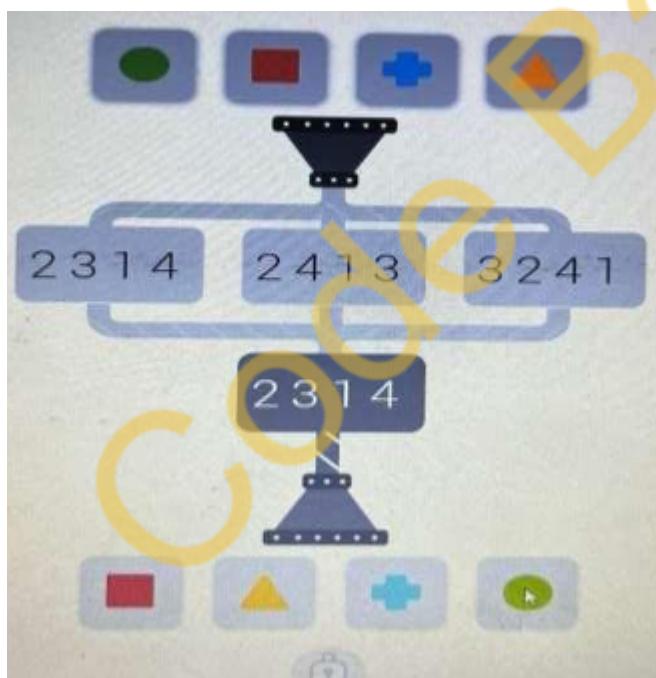
Answer : 2431

Q8.



Answer : 2431

Q9.



Answer : 3241

Q10.



Answer : 2413

Q11.



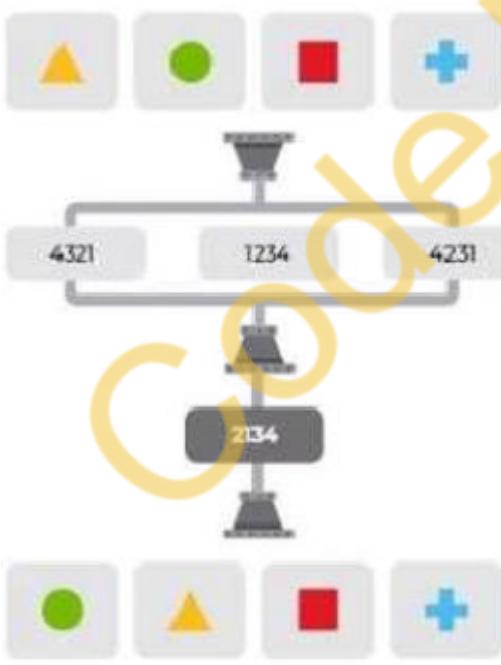
Answer : 2413

Q12.



Answer : 2314

Q13.



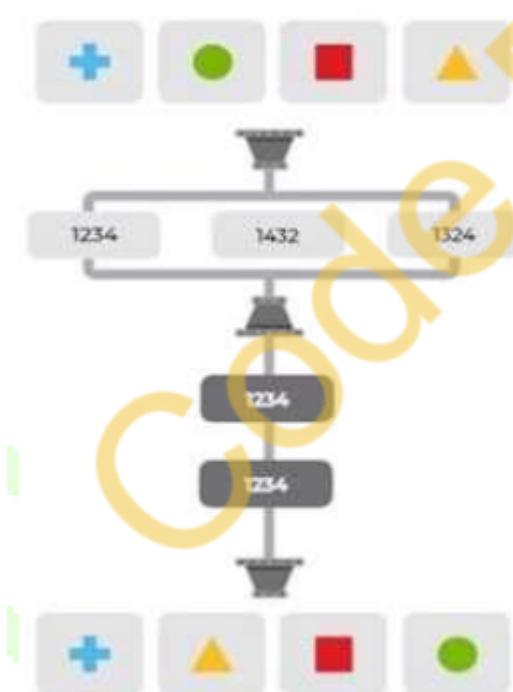
Answer : 1234

Q14.



Answer : 2143

Q15.



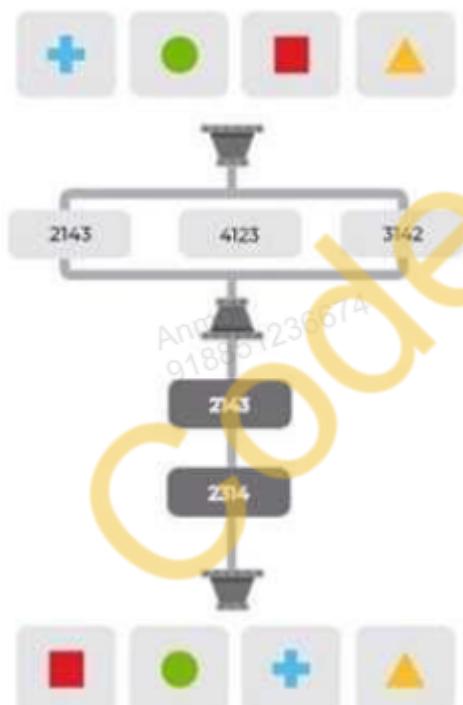
Answer : 1432

Q16.



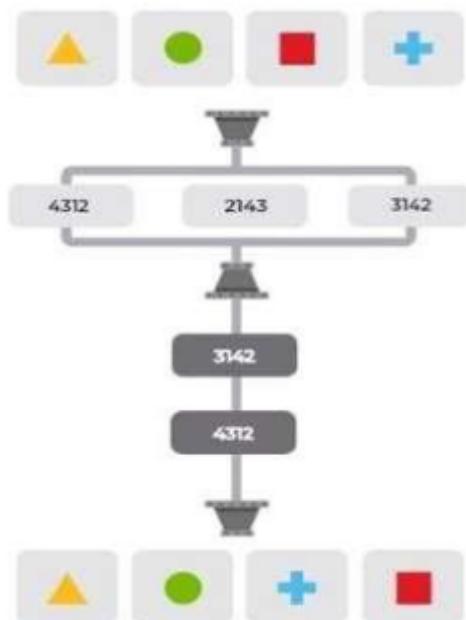
Answer : 52143

Q17.



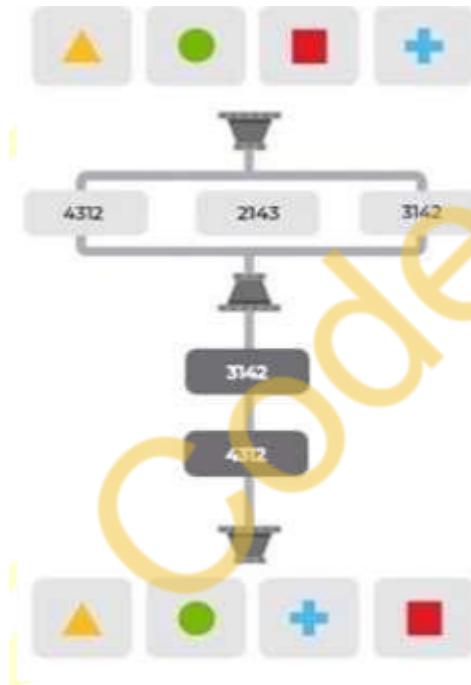
Answer : 3142

Q18.



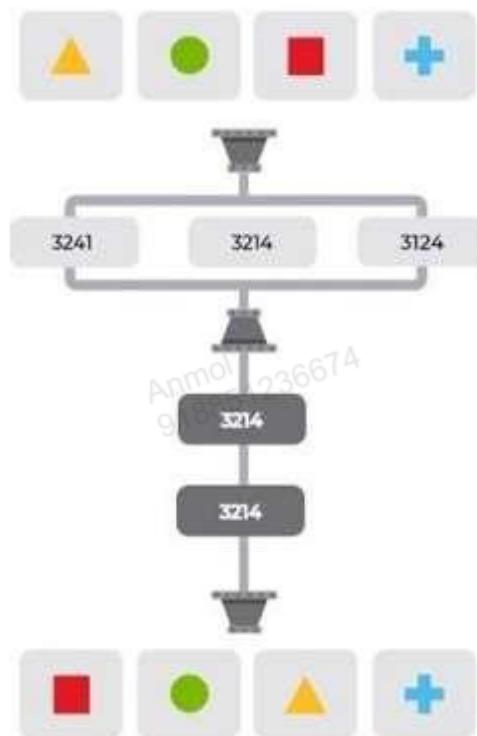
Answer : 2143

Q19.



Answer : 3142

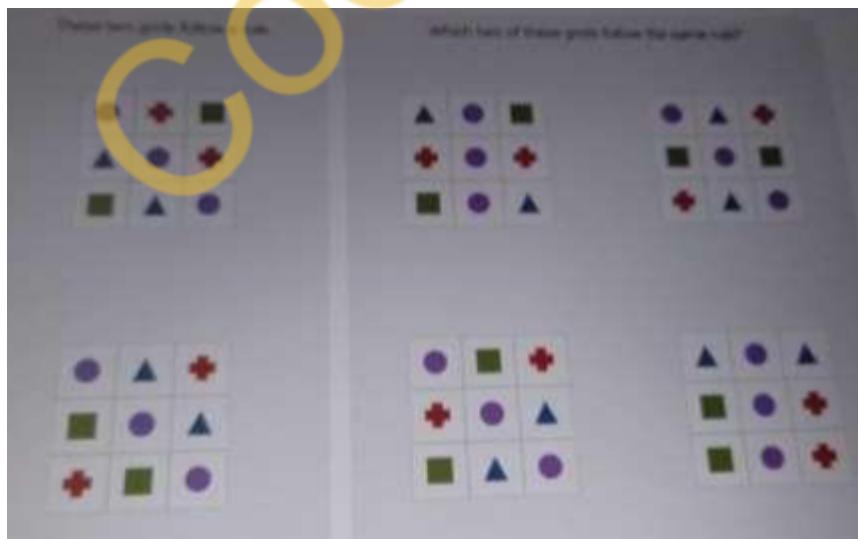
Q20.



Answer : 3214

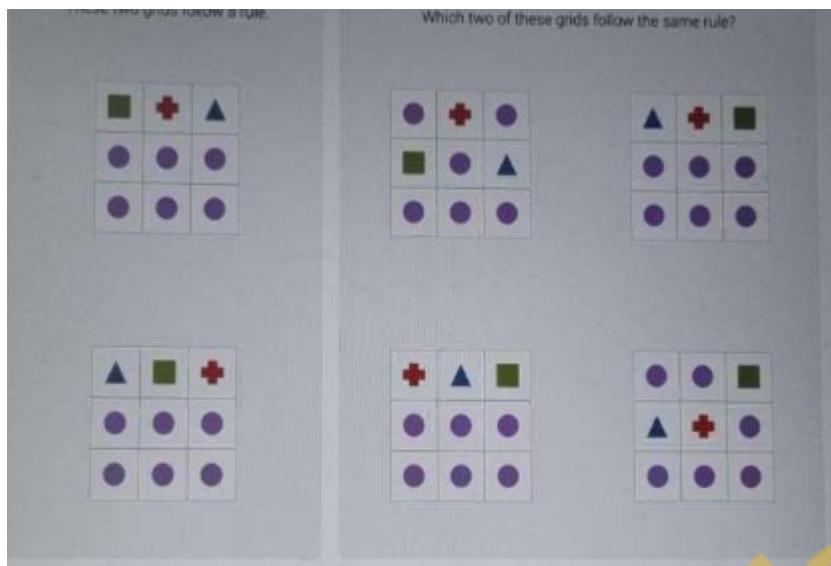
Type-4: Inductive Logical Reasoning: On the left side, a pattern will be displayed, and your task is to select the matching pattern(s) from the right side. You can choose multiple patterns if needed.

Q1.

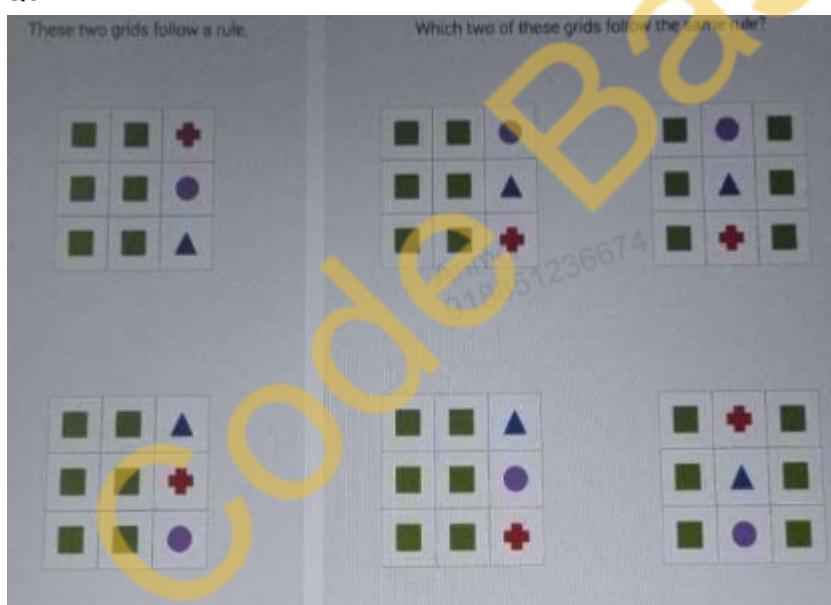


Answer : 2,3

Q2.



Q3.



Q4.

These two grids follow a rule.

Which two of these grids follow the same rule?

Answer : 1,2

Q5.

These two grids follow a rule.

Which two of these grids follow the same rule?

Answer : 2,4

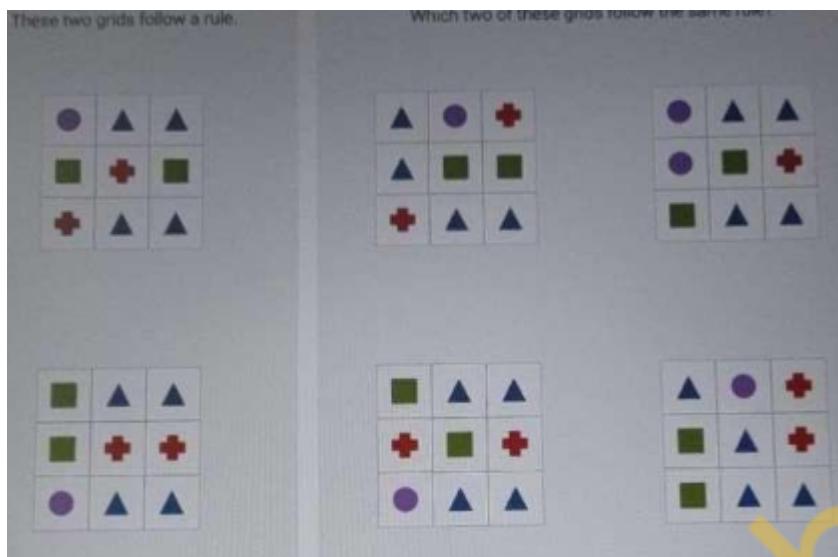
Q6.

These two grids follow a rule.

Which two of these grids follow the same rule?

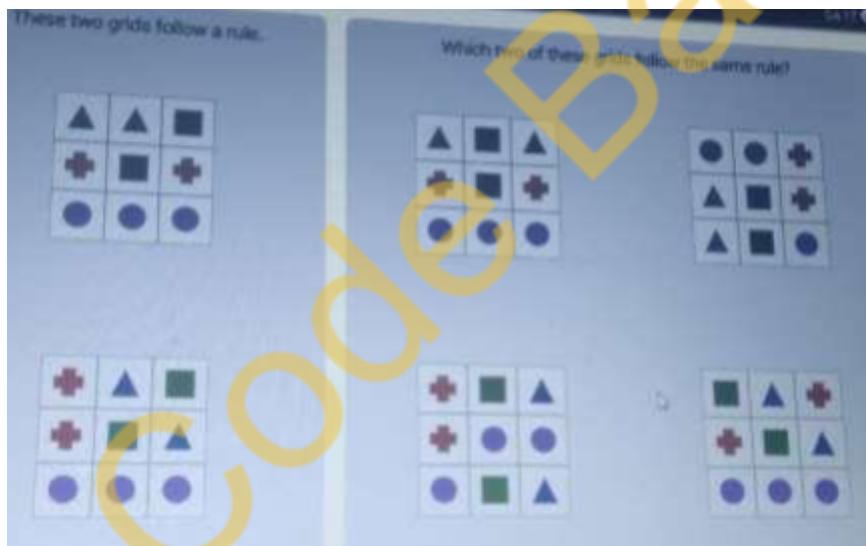
Answer : 1,3

Q7.



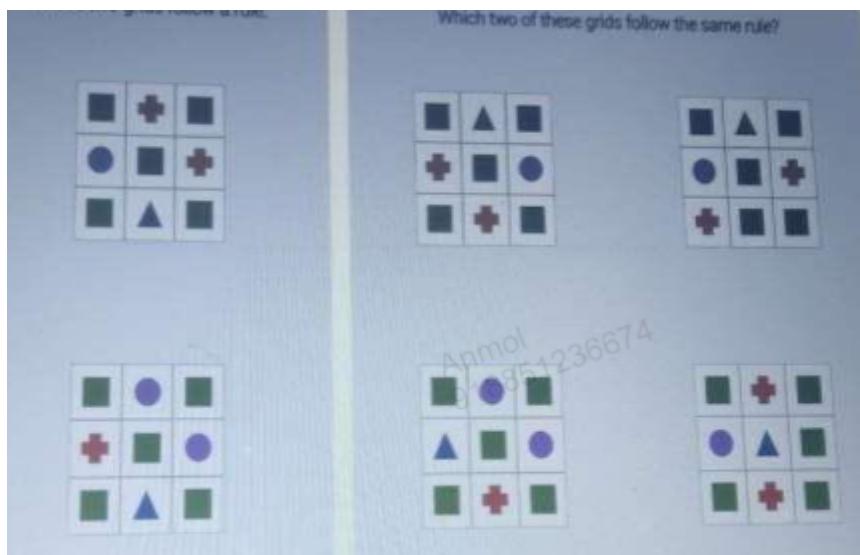
Answer : 2,3

Q8.



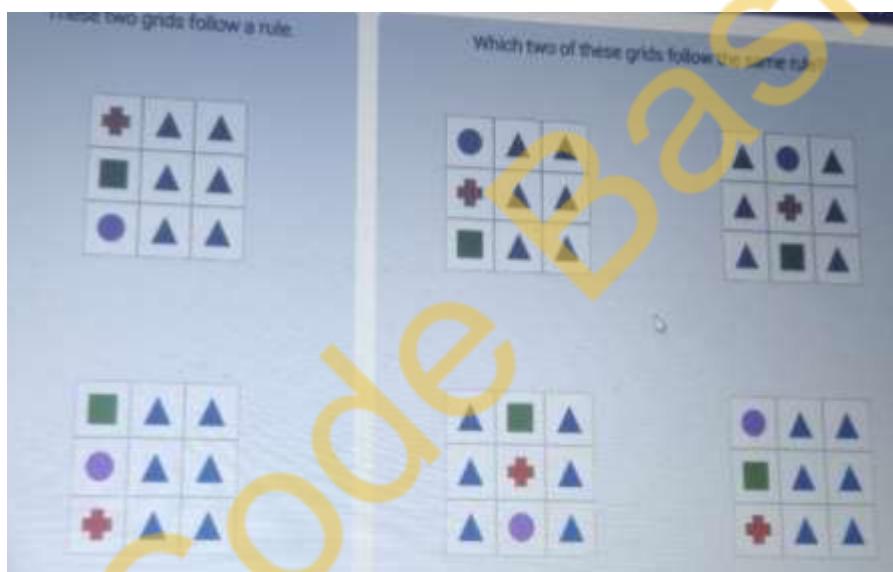
Answer : 1,4

Q9.



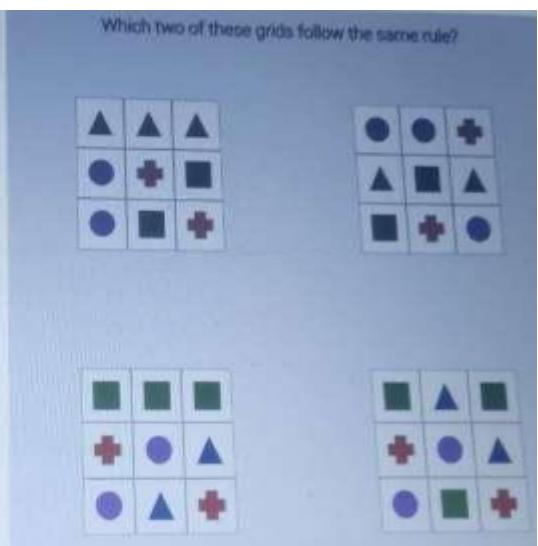
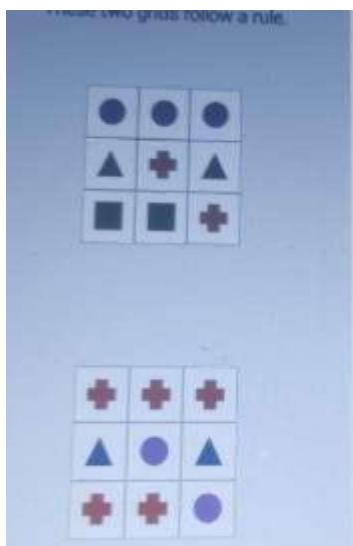
Answer : 1,3

Q10.



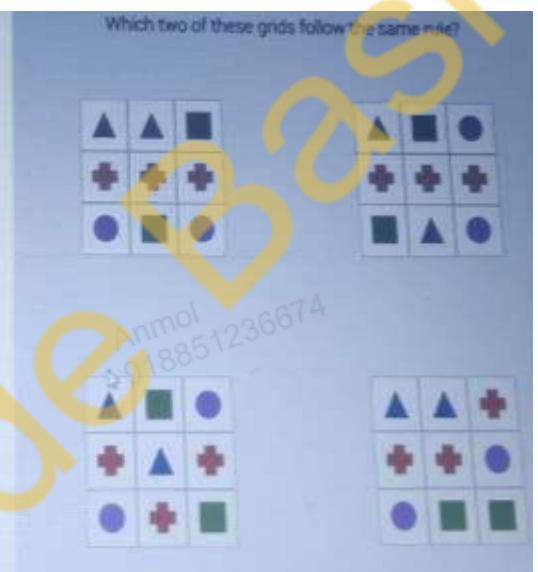
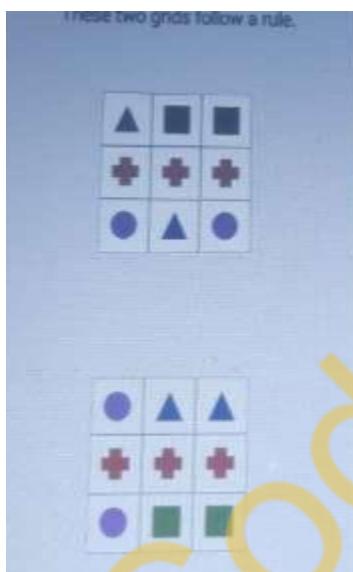
Answer : 1,4

Q11.



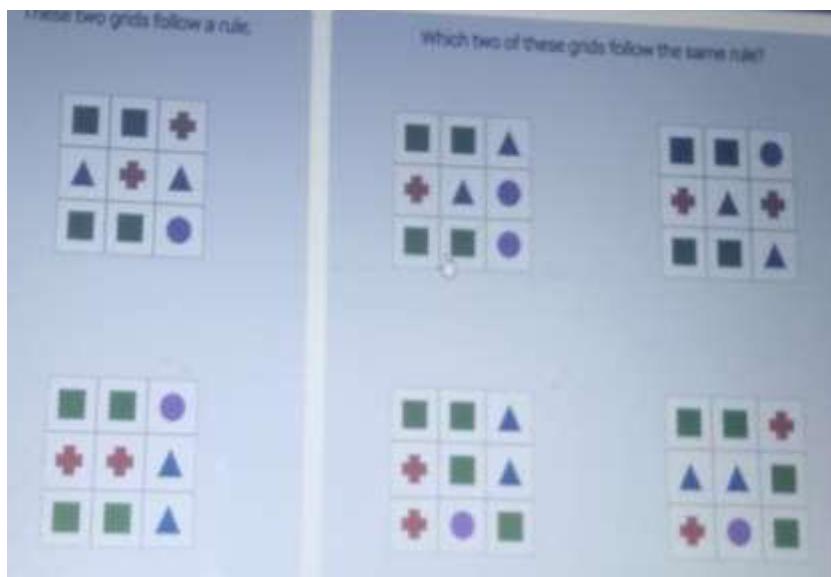
Answer : 1,3

Q12.



Answer : 1,2

Q13.



Answer : 1,2

Q14.



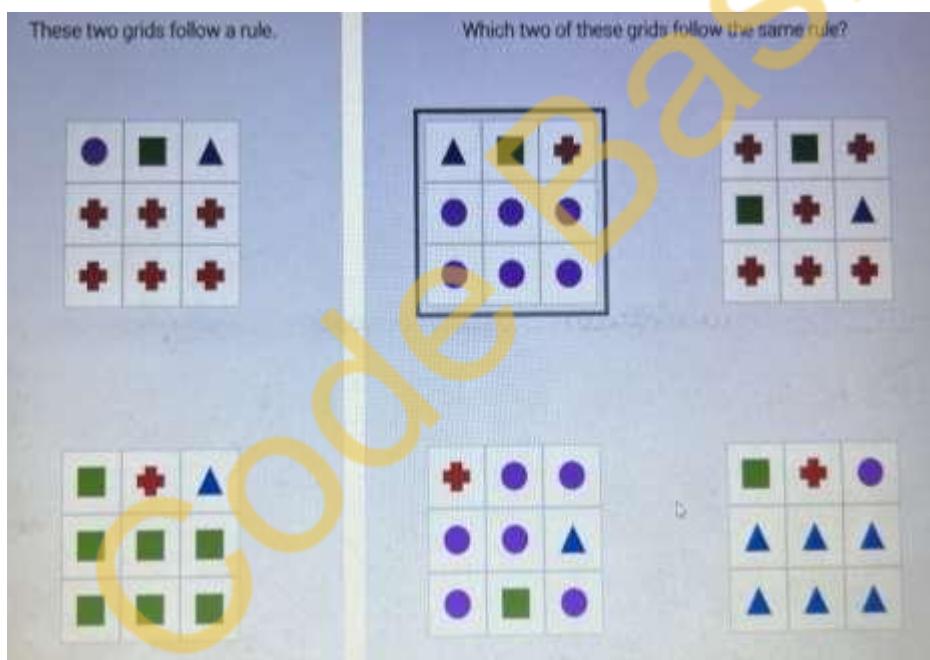
Answer : 1,4

Q15.



Answer : 1,2

Q16.



Answer : 1,4

Q17.

These two grids follow a rule.



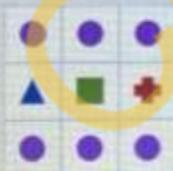
Which two of these grids follow the same rule?



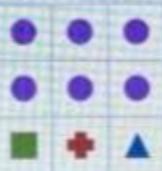
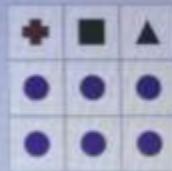
Answer : 2,4

Q18.

These two grids follow a rule.



Which two of these grids follow the same rule?



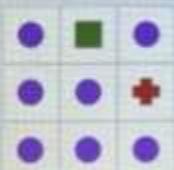
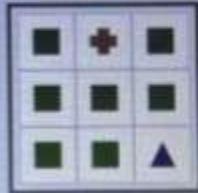
Answer : 1,4

Q19.

These two grids follow a rule.



Which two of these grids follow the same rule?



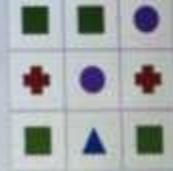
Answer : 2,3

Q20.

These two grids follow a rule.



Which two of these grids follow the same rule?



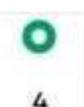
Answer : 2,3

Q21.

Please mark the object that doesn't fit the rule.



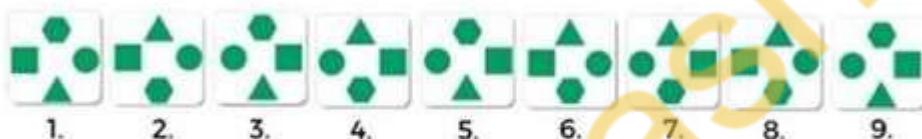
Options.

- A.  4.
B.  3.
C.  9.
D.  5.

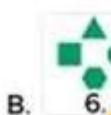
Answer : A

Q22.

Please mark the object that doesn't fit the rule.



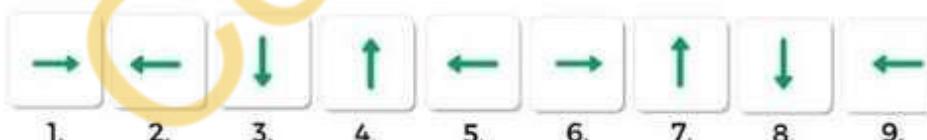
Options.

- A.  4.
B.  6.
C.  7.
D.  8.

Answer : C

Q23.

Please mark the object that doesn't fit the rule.



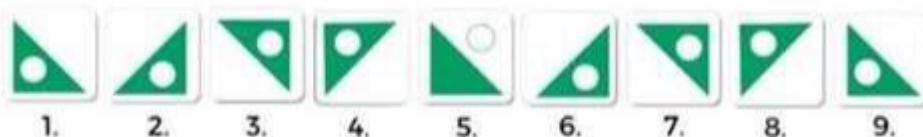
Options.

- A.  7.
B.  3.
C.  9.
D.  5.

Answer : C

Q24.

Please mark the object that doesn't fit the rule.



Options.

- A. 1.
B. 5.
C. 6.
D. 8.

Answer : B

Q25.

Please mark the object that doesn't fit the rule.



Options.

- A. 4.
B. 5.
C. 6.
D. 9.

Answer : B

Q26.

Please mark the object that doesn't fit the rule.



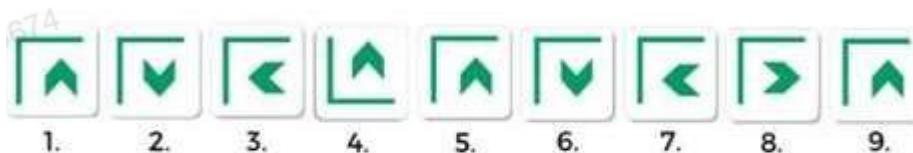
Options.

- A. 5.
B. 7.
C. 6.
D. 8.

Answer : A

Q27.

Please mark the object that doesn't fit the rule.



Options.

- A. 4.
B. 5.
C. 9.
D. 8.

Answer : A

Q28.

Please mark the object that doesn't fit the rule.

1	2	2	3	3	4	4	5	6	7	7	8	8	9	9	10	10	11
5	3	8	5	11	7	14	9	20	13	22	13	26	17	29	19	32	21

1. 2. 3. 4. 5. 6. 7. 8. 9.

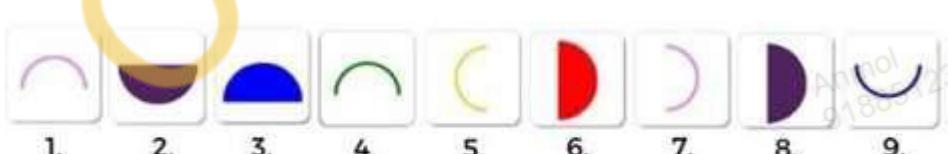
Options.

- A. 6 7
20 13
5.
B. 8 9
26 17
7.
C. 7 8
22 13
6.
D. 2 3
8 5
2.

Answer : A

Q29.

Please mark the object that doesn't fit the rule.



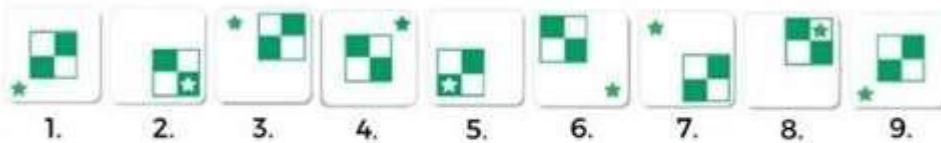
Options.

- A. 5.
B. 7.
C. 6.
D. 8.

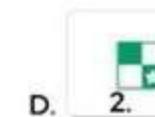
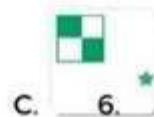
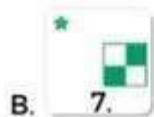
Answer : C

Q30.

Please mark the object that doesn't fit the rule.



Options.



Answer : B

Type-5: Deductive Logical Reasoning: In this game, a row will contain a sequence of figures, and no figure can repeat within the same row or column. Following this rule, your task is to fill in the missing figure where the question mark is placed.

Q1.



Answer : **✚**

Q2.



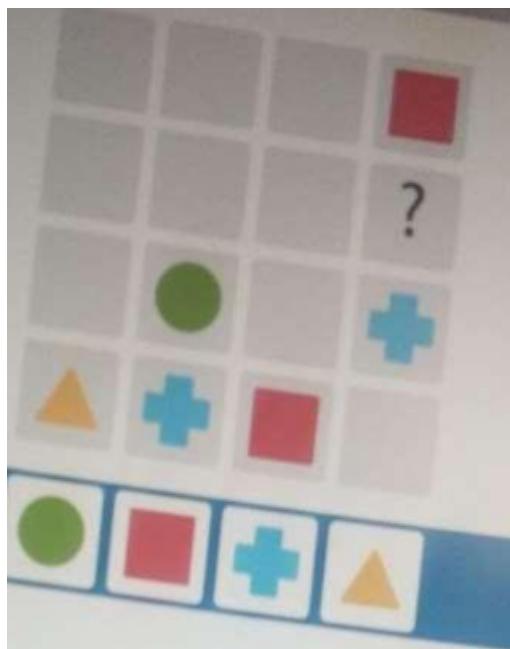
Answer : **+**

Q3.



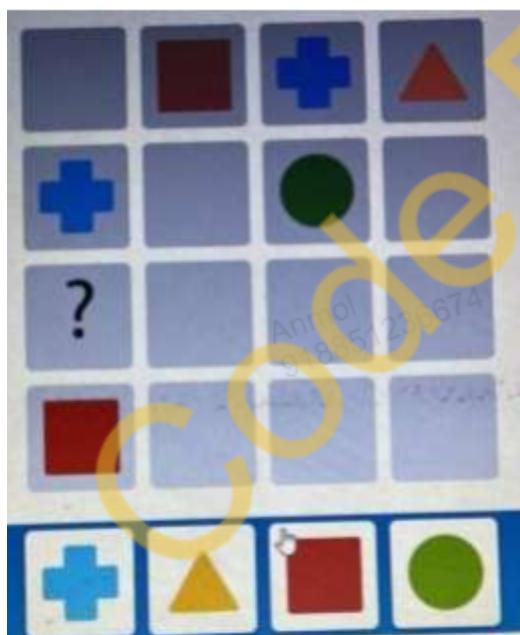
Answer : **●**

Q4.



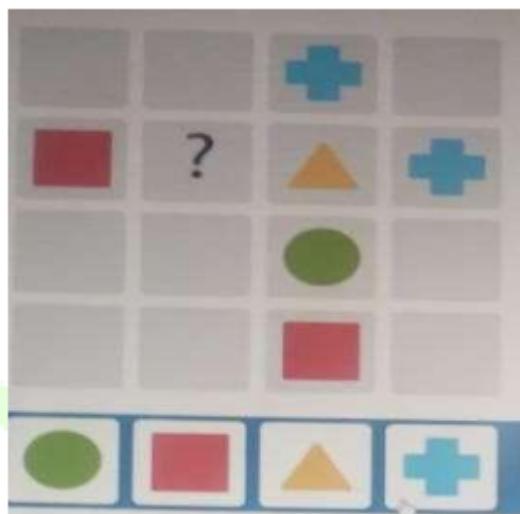
Answer : ▲

Q5.



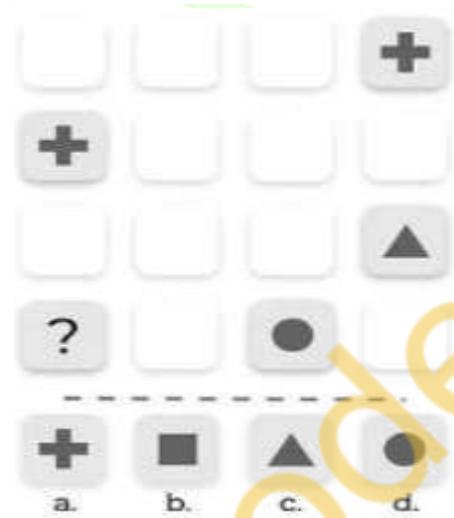
Answer : ▲

Q6.



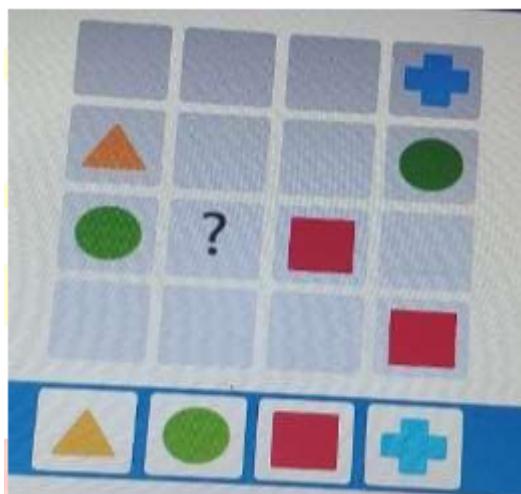
Answer : ●

Q7.



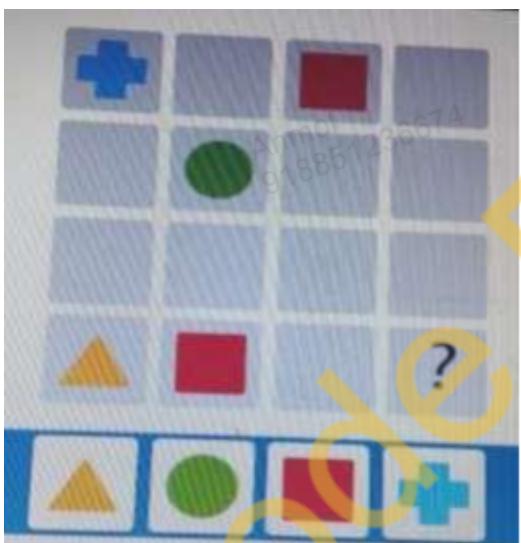
Answer : ▲

Q8.



Answer : +

Q9.



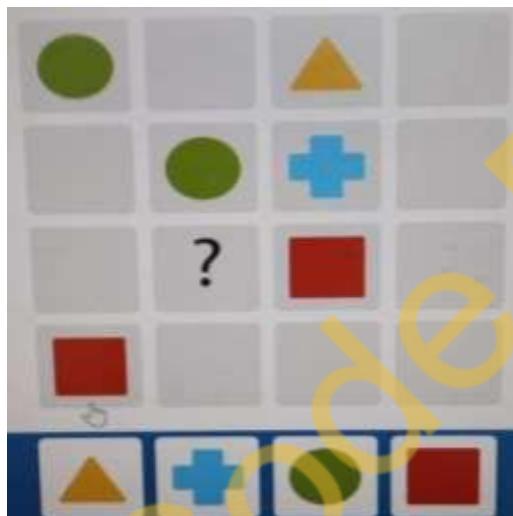
Answer : +

Q10.



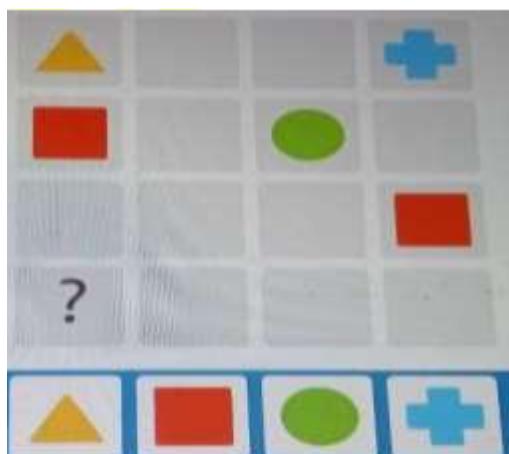
Answer : **+**

Q11.



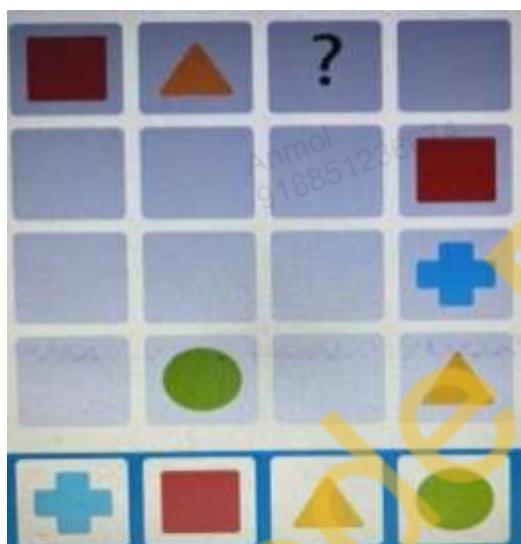
Answer : **▲**

Q12.



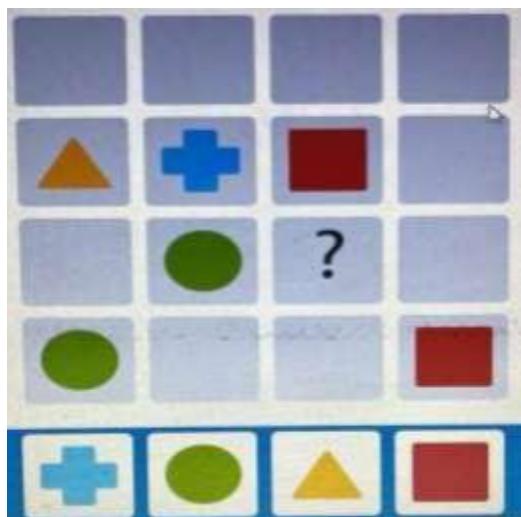
Answer : +

Q13.



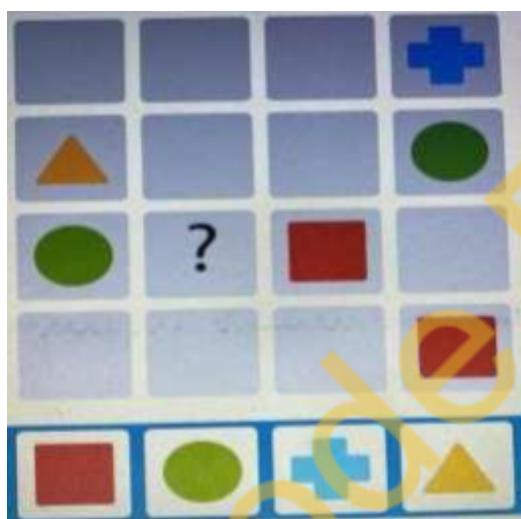
Answer : +

Q14.



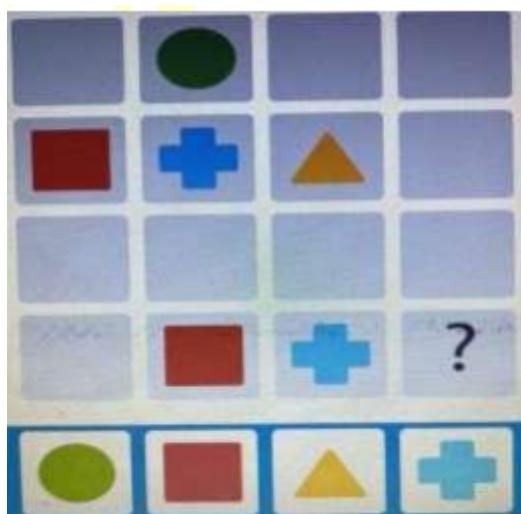
Answer : ■

Q15.



Answer : +

Q16.

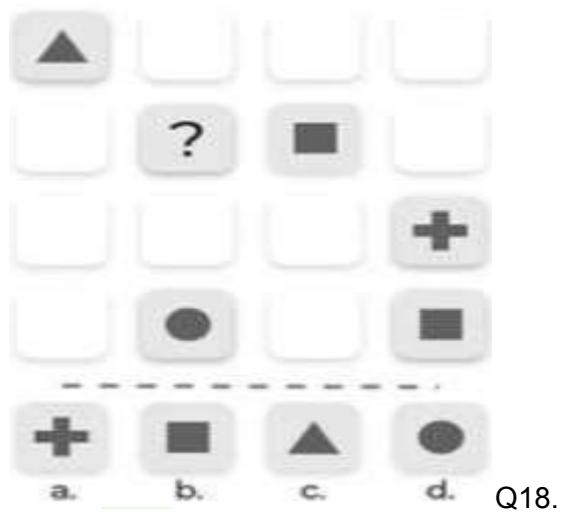


Answer : ▲

Q17.



Answer : ●



Q18.

Answer : **+**

Q19.



Answer : **▲**

Q20.



Answer : ●

Code Bashers