



Date : 28th Nov 2023

Logical Reasoning - Puzzle

English

**Directions (1 - 5):** Read the following information carefully and answer the questions given below.

Eight persons A, B, C, D, E, F, G, and H live in an eight-floor building. The lowermost floor is numbered 1, and the topmost floor is numbered 8. There are five floors between E and F. F stays neither on the lowermost floor nor on the topmost floor. There are only two floors between E and G. There is only one floor below C. C lives on the floor that is exactly between H and E. There are only two floors between B and C. B lives on the floor that is exactly between D and G.

**Q:1** Who lives on the floor immediately below F?

1. B
2. C
3. D
4. G
5. E

**Q:2** On which floor does G live?

1. 2nd
2. 3rd
3. 4th
4. 5th
5. 6th

**Q:3** Who lives on the floor immediately between B and H?

1. F
2. G
3. D
4. B
5. C

**Q:4** Which of the following statements is not true about H?

1. H lives on the third floor
2. There are only two floors below H
3. G lives on the floor immediately below H
4. There are four floors between A and H
5. There is only one floor between H and E

**Q:5** Who lives on the second floor?

1. C
2. F
3. G
4. E

5. A

**Directions (6 - 10):** Study the following information carefully and answer the questions given below.

A, B, C, D, E, F, and G are seven different boxes. Each box is painted with a different color - Red, Pink, White, Blue, Purple, Green, and Yellow but not necessarily in the same order.

There are only two boxes between box D and the box which is painted Red. Box C is below the box which is painted White. Box F is at the top of all the boxes. The box which is painted Yellow is immediately above box C. Both C and D are above the box that is painted Red. Box G is not of Purple color. Only one box is there between B and E. Neither box B nor A is painted Purple. Box A is not Pink in color. The box which is painted Red is immediately above A. There are only three boxes between box C and the box which is painted White. The box which is painted Blue is immediately above box B. Box B is above box E.

**Q:6** What is the color of box C?

1. Green
2. White
3. Pink
4. Blue
5. Purple

**Q:7** How many boxes are there between the green colored box and box G?

1. One
2. Two
3. Three
4. More than three
5. None of these

**Q:8** Find the pair of Box and color which is not correct?

1. E - Red
2. B - Yellow
3. F - White
4. G - Green
5. None of these

**Q:9** Box E is painted in which of the following colors?



Date : 28th Nov 2023

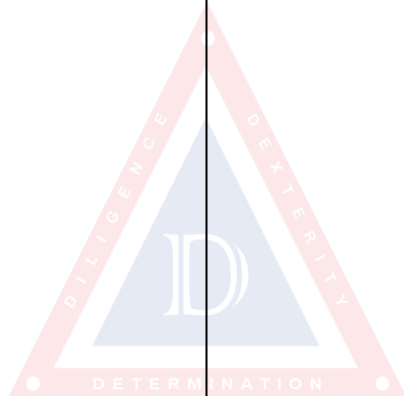
Logical Reasoning – Puzzle

English

1. Red
2. Pink
3. White
4. Green
5. Cannot be determined

**Q:10** How many box(es) is/are there between box F and box B?

1. One
2. Two
3. Three
4. More than three
5. None



Date : 28th Nov 2023

Logical Reasoning - Puzzle

English

## Answer Key

1. (3)	2. (3)	3. (2)	4. (3)	5. (1)
6. (5)	7. (4)	8. (4)	9. (1)	10. (2)

## Answers and Solutions

(Q:1 - Q:5): 1) There are five floors between E and F.

2) F stays neither on the lowermost floor nor on the topmost floor.

3) There are only two floors between E and G.

### Case 1

Decoding the puzzle	Corresponding Inference
Floor	Person
8	E
7	
6	
5	G
4	
3	
2	F
1	

### Case 2

Floor	Person
8	
7	F
6	
5	
4	G
3	
2	
1	E

4) There is only one floor below C.

(This means C lives on the second lowermost floor. Hence, Case 1 gets eliminated here because in this case, F lives on the second lowermost floor)

5) C lives on the floor that is immediately between H and E.

6) There are only two floors between B and C.

Floor	Person
8	
7	F
6	
5	B
4	G
3	H

2	C
1	E

7) B lives on the floor that is immediately between D and G.

(Hence, A lives on the topmost floor)

Q:1 The correct answer is **Option 3** i.e. D  
D lives on the floor immediately below F.  
Hence, the correct answer is **D**.

Q:2 The correct answer is **Option 3** i.e. 4th  
G lives on the 4th floor.  
Hence, the correct answer is **4th**.

Q:3 The correct answer is **Option 2** i.e. G  
G lives on the floor immediately between B and H.  
Hence, the correct answer is **G**.

Q:4 The correct answer is **Option 3** i.e. G lives on the floor immediately below H

Let us see the options:

- 1) H lives on the third floor: True
  - 2) There are only two floors below H: True
  - 3) G lives on the floor immediately below H: **False** (G lives on the floor immediately above H, not below H)
  - 4) There are four floors between A and H: True
  - 5) There is only one floor between H and E: True
- Hence, the correct answer is **G lives on the floor immediately below H**.

Q:5 The correct answer is **Option 1** i.e. C  
C lives on the second floor.  
Hence, the correct answer is **C**.

(Q:6 - Q:10): 1. There are only three boxes between C and the box which is painted White.

2. C is below the box which is painted White.

3. The box which is painted Yellow, is immediately above box C.

### Case 1

Box	Color
	White
	Yellow
C	

Date : 28th Nov 2023

Logical Reasoning – Puzzle

English

### Case 2

Box	Color
	White
	Yellow
C	

### Case 3

Box	Color
	White
	Yellow
C	

4. There are only two boxes between D and the box which is painted Red.

5. Both C and D are above the box that is painted Red.  
(Case 3 gets eliminated here because in this case box C is placed at the very bottom)

6. Box which is painted Red is immediately above box A.  
(Here case 2 gets eliminated because in this case, Red color box is at the extreme bottom)

Box	Color
	White
D	
	Yellow
C	
	Red
A	

7. The box which is painted Blue is immediately above box B.

8. Only one box is there between boxes B and E.

9. Box B is above box E.

10. F is at the top of all the boxes.

(Only one place in the box column is left. So we can place box G there)

Box	Color
F	White
G	
D	Blue
B	Yellow
C	
E	Red
A	

11. Box G is not Purple color.

(So either box C or box A is of Purple color)

12. Neither box B nor A is of Purple color.  
(Therefore, box C is painted Purple)

13. Box A is not Pink in color.

(Only Pink and Green colors are left. Therefore, box A should be of Green color and box G should be of Pink color)

Box	Color
F	White
G	Pink
D	Blue
B	Yellow
C	Purple
E	Red
A	Green

**Q:6** The correct answer is **Option 5** i.e. **Purple**

Box C is colored purple color.

Hence, the correct answer is **Purple**.

**Q:7** The correct answer is **Option 4** i.e. **More than three**

There are four boxes between the green color box and box G.

Hence, the correct answer is **More than three**.

**Q:8** The correct answer is **Option 4** i.e. **G - Green**

Box G is Pink in color and not green.

Hence, the correct answer is **G-Green**.

**Q:9** The correct answer is **Option 1** i.e. **Red**

Box E is painted in red color.

Hence, the correct answer is **Red**.

**Q:10** The correct answer is **Option 2** i.e. **Two**

There are two boxes between Box F and Box B.

Hence, the correct answer is **Two**