



Date : 24th Dec 2023

Logical Reasoning – Box Puzzle

English

Direction 1 – 5 : Read the given information carefully and answer the following questions.

Nine boxes marked as 1 to 9 are kept one above another, they contain nine different items viz. Soaps, Detergent, Shampoos, Chocolates, Pens, Newspapers, Purses, Wallets, and Creams but not necessarily in the same order. The boxes are to be delivered to five different cities, two boxes in one city. The cities are Delhi, Patna, Mumbai, Nagpur, and Pune.

Three boxes are kept above Box 7 and three boxes are kept between Box 7 and the box of Creams. The box of Pens and the box of Chocolates are delivered to Nagpur. There are two boxes between the box of Cream and Box 5 and Box 5 is delivered to Pune. The Shampoo box is delivered to Pune but it is not kept in Box 5 and Box 7. The lowermost and the topmost box are delivered to Mumbai. Two boxes are kept between the box of Soaps i.e Box 5 and the box of Detergent. Box 3 contains the Newspaper and is delivered to Patna. Three boxes are kept between Box 3 and Box 9, which is kept just below the Box of Detergent. Box 9 is not delivered to Nagpur, Patna, or Delhi. Box 7 doesn't contain Pens. Box 6 and Box 8 are delivered to Mumbai. Box 1 is not delivered to Delhi.

Q:1 Which box contains Pens?

1. Box 7
2. Box 8
3. Box 6
5. None of these

Q:2 The box of Creams is delivered to which city?

1. Patna
2. Delhi
3. Pune
5. Nagpur

Q:3 Which box contains Wallets?

1. Box 6
2. Box 7
3. Box 8
5. None of these

Q:4 Choose the correct statement from the following alternatives.

1. Box 6 contains Purse
2. Box 8 contains Wallets

3. Box 2 contains Detergent

5. All are true

Q:5 Choose the odd option.

1. Detergents
2. Wallets
3. Purse
5. Soaps

Directions 6 – 10 : Read the information carefully and answer the given question.

There are 16 boxes placed in three stacks called stack 1, stack 2, and stack 3 in such a way that stack 2 is in the east of stack 1 and west of stack 3. Each stack contains 7 boxes some of them are empty and some boxes are labeled with a specific number below 17. Each numbered box is filled with different colors.

The box just above and just below the rosy red box are vacant. Box number 13 is at the bottommost place. The difference between the blue box and the silver box and the difference between the green box and the silver box is equal to the number of the rosy red boxes. The number of brown boxes is double the number of the black box. Box number 6 is filled with orange color and one box is empty between box numbered 6 and box numbered 1 in the same stack. Two boxes are placed between box numbered 1 and box numbered 3 which is placed in stack 1. Box numbered 12 which is filled with golden color placed just above box numbered 3 in the same stack. Box numbered 1 is filled with sky blue. Box numbered 1 is placed immediately above the box which is filled with green colors in the same stack. Box numbered 10 is filled with navy blue color and placed in the east of the Sky blue box. The red box is placed just below the yellow box in the same stack. The violet box is not adjacent to either the white or Navy blue box. Box numbered 11 is placed in the west of the box filled with green color. One box is empty between box numbered 7 and box numbered 11. Box numbered 11 is filled with pink in stack 1. There are only 5 boxes marked in stack 3. Silver box is placed just above the blue color box and there is one empty box just above the silver box in the same stack but not in stack 3. Only one vacant box is placed between the rosy red box and box number 13 both are placed in stack 3. The number of the blue box is



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more than the green box. The number of Yellow box is greater than the number of Blue box. Top most box has filled with white color in stack 3. Box numbered 5 is filled with rosy red color. Box numbered 3 is filled with grey color. Box numbered 6 is placed in the west of box 2 and east of the yellow box, which is the topmost box. Box numbered 6 is filled with orange color. The box filled with black color is placed at the bottommost position in stack 1.

Q:6 Which box is placed in the east of box 9?

1. Rosy red box
2. Grey box
3. Vacant Box
5. None of these

Q:7 How many boxes are there between Box 16 and Box 13?

1. Only 2
2. Less than 2
3. More than 3
5. None

Q:8 Which number has marked on brown colored box?

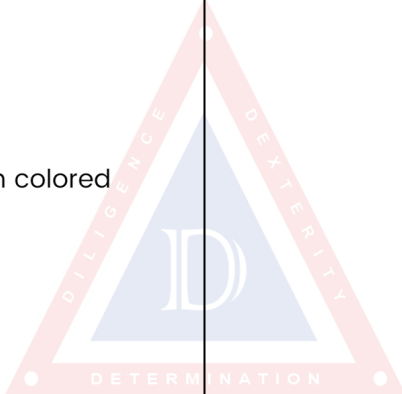
1. 8
2. 10
3. 14
5. 16

Q:9 How many vacant boxes are there in stack 2?

1. 2
2. 3
3. 4
5. None

Q:10 How many boxes are filled in stack 1?

1. 1
2. 6
3. 7
5. 5



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Answer Key

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

Answers and Solutions

Q:1 The correct answer is **Option 4** i.e **Box 1**

1) Three boxes are kept above Box 7 and three boxes are kept between Box 7 and the box of Creams.

2) There are two boxes between the box of Cream and Box 5, and Box 5 is delivered to Pune.

3) The lowermost and the topmost box are delivered to Mumbai.

4) Two boxes are kept between the box of Soaps i.e Box 5 and the box of Detergent.

| Boxes | Items | Cities |
|-------|-----------|--------|
| | | Mumbai |
| | Detergent | |
| | | |
| 7 | | |
| 5 | Soaps | Pune |
| | | |
| | | |
| | Creams | |
| | | Mumbai |

5) Three boxes are kept between Box 3 and Box 9, which is kept just below the Box of Detergent.

6) Box 3 contains the Newspaper and is delivered to Patna.

7) The box of Pens and the box of Chocolates are delivered to Nagpur.

8) The Shampoo box is delivered to Pune but it is not kept in Box 5 and Box 7.

10) Box 9 is not delivered to Nagpur, Patna, or Delhi.

| Boxes | Items | Cities |
|-------|-----------|--------|
| | | Mumbai |
| | Detergent | |
| 9 | Shampoos | Pune |
| 7 | | |
| 5 | Soaps | Pune |
| | | |
| 3 | Newspaper | Patna |
| | Creams | |
| | | Mumbai |

11) Box 7 doesn't contain Pens.

12) Box 6 and Box 8 are delivered to Mumbai.

13) Box 1 is not delivered to Delhi.

| Boxes | Items | Cities |
|-------|---------------|--------|
| 6/8 | Wallets/Purse | Mumbai |
| 2/4 | Detergents | Delhi |
| 9 | Shampoos | Pune |
| 7 | Chocolates | Nagpur |
| 5 | Soaps | Pune |
| 1 | Pens | Nagpur |
| 3 | Newspaper | Patna |
| 4/2 | Cream | Delhi |
| 8/6 | Purse/Wallets | Mumbai |

Clearly, Box 1 contains Pens.

Hence the correct answer is **Box 1**.

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

1) Three boxes are kept above Box 7 and three boxes are kept between Box 7 and the box of Creams.

2) There are two boxes between the box of Cream and Box 5, and Box 5 is delivered to Pune.

3) The lowermost and the topmost box are delivered to Mumbai.

4) Two boxes are kept between the box of Soaps i.e Box 5 and the box of Detergent.

| Boxes | Items | Cities |
|-------|-----------|--------|
| | | Mumbai |
| | Detergent | |
| | | |
| 7 | | |
| 5 | Soaps | Pune |
| | | |
| | | |
| | Creams | |
| | | Mumbai |

5) Three boxes are kept between Box 3 and Box 9, which is kept just below the Box of Detergent.

6) Box 3 contains the Newspaper and is delivered to Patna.

7) The box of Pens and the box of Chocolates are delivered to Nagpur.

8) The Shampoo box is delivered to Pune but it is not kept in Box 5 and Box 7

10) Box 9 isn't delivered to Nagpur, Patna, or Delhi.

| Boxes | Items | Cities |
|-------|-----------|--------|
| | | Mumbai |
| | Detergent | |
| 9 | Shampoos | Pune |

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| | | |
|---|-----------|--------|
| 7 | | |
| 5 | Soaps | Pune |
| | | |
| 3 | Newspaper | Patna |
| | Creams | |
| | | Mumbai |

- 11) Box 7 doesn't contain Pens.
 12) Box 6 and Box 8 are delivered to Mumbai.
 13) Box 1 isn't delivered to Delhi.

| Boxes | Items | Cities |
|-------|---------------|--------|
| 6/8 | Walle/Purse | Mumbai |
| 2/4 | Detergents | Delhi |
| 9 | Shampoos | Pune |
| 7 | Chocolates | Nagpur |
| 5 | Soaps | Pune |
| 1 | Pens | Nagpur |
| 3 | Newspaper | Patna |
| 4/2 | Cream | Delhi |
| 8/6 | Purse/Wallets | Mumbai |

Clearly, Box of cream is delivered to Delhi.
 Hence, the correct answer is **Delhi**.

Q:3 The correct answer is **Option 4** i.e **Either 1 or 3**

- 1) Three boxes are kept above Box 7 and three boxes are kept between Box 7 and the box of Creams.
 2) There are two boxes between the box of Cream and Box 5, and Box 5 is delivered to Pune.
 3) The lowermost and the topmost box are delivered to Mumbai.
 4) Two boxes are kept between the box of Soaps i.e Box 5 and the box of Detergent.

| Boxes | Items | Cities |
|-------|-----------|--------|
| | | Mumbai |
| | Detergent | |
| 7 | | |
| 5 | Soaps | Pune |
| | | |
| | Creams | |
| | | Mumbai |

- 5) Three boxes are kept between Box 3 and Box 9, which are kept just below the Box of Detergent.
 6) Box 3 contains the Newspaper and is delivered to Patna.
 7) The box of Pens and the box of Chocolates are delivered to Nagpur.

- 8) The Shampoo box is delivered to Pune but it is not kept in Box 5 and Box 7
 9) Box 9 isn't delivered to Nagpur, Patna, or Delhi.

| Boxes | Items | Cities |
|-------|-----------|--------|
| | | Mumbai |
| | Detergent | |
| 9 | Shampoos | Pune |
| 7 | | |
| 5 | Soaps | Pune |
| | | |
| 3 | Newspaper | Patna |
| | Creams | |
| | | Mumbai |

- 10) Box 7 doesn't contain Pens.
 11) Box 6 and Box 8 are delivered to Mumbai.
 12) Box 1 isn't delivered deliver to Delhi.

| Boxes | Items | Cities |
|-------|---------------|--------|
| 6/8 | Wallets/Purse | Mumbai |
| 2/4 | Detergents | Delhi |
| 9 | Shampoos | Pune |
| 7 | Chocolates | Nagpur |
| 5 | Soaps | Pune |
| 1 | Pens | Nagpur |
| 3 | Newspaper | Patna |
| 4/2 | Cream | Delhi |
| 8/6 | Purse/Wallets | Mumbai |

Clearly, either Box 6 or Box 8 contains wallets.
 Hence, the correct answer is **Either 1 or 3**.

Q:4 The correct answer is **Option 4** i.e **The box of wallets is delivered to Mumbai**

- 1) Three boxes are kept above Box 7 and three boxes are kept between Box 7 and the box of Creams.
 2) There are two boxes between the box of Cream and Box 5, and Box 5 is delivered to Pune.
 3) The lowermost and the topmost box are delivered to Mumbai.
 4) Two boxes are kept between the box of Soaps i.e Box 5 and the box of Detergent.

| Boxes | Items | Cities |
|-------|-----------|--------|
| | | Mumbai |
| | Detergent | |
| 7 | | |
| 5 | Soaps | Pune |
| | | |
| | | |

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| | |
|--------|--------|
| Creams | |
| | Mumbai |

- 5) Three boxes are kept between Box 3 and Box 9, which are kept just below the Box of Detergent.
 6) Box 3 contains the Newspaper and is delivered to Patna.
 7) The box of Pens and the box of Chocolates are delivered to Nagpur.
 8) The Shampoo box is delivered to Pune but it is not kept in Box 5 and Box 7
 9) Box 9 isn't delivered to Nagpur, Patna, or Delhi.

| Boxes | Items | Cities |
|-------|-----------|--------|
| | | Mumbai |
| | Detergent | |
| 9 | Shampoos | Pune |
| 7 | | |
| 5 | Soaps | Pune |
| | | |
| 3 | Newspaper | Patna |
| | Creams | |
| | | Mumbai |

- 10) Box 7 doesn't contain Pens.
 11) Box 6 and Box 8 are delivered to Mumbai.
 12) Box 1 isn't delivered to Delhi.

| Boxes | Items | Cities |
|-------|---------------|--------|
| 6/8 | Wallets/Purse | Mumbai |
| 2/4 | Detergents | Delhi |
| 9 | Shampoos | Pune |
| 7 | Chocolates | Nagpur |
| 5 | Soaps | Pune |
| 1 | Pens | Nagpur |
| 3 | Newspaper | Patna |
| 4/2 | Cream | Delhi |
| 8/6 | Purse/Wallets | Mumbai |

Clearly, The box of wallet is delivered to Mumbai is true.

Hence, the correct answer is **The box of wallets is delivered to Mumbai.**

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

- 1) Three boxes are kept above Box 7 and three boxes are kept between Box 7 and the box of Creams.
 2) There are two boxes between the box of Cream and Box 5, and Box 5 is delivered to Pune.
 3) The lowermost and the topmost box are delivered to Mumbai.
 4) Two boxes are kept between the box of Soaps i.e Box 5 and the box of Detergent.

| Boxes | Items | Cities |
|-------|-----------|--------|
| | | Mumbai |
| | Detergent | |
| | | |
| 7 | | |
| 5 | Soaps | Pune |
| | | |
| | Creams | |
| | | Mumbai |

- 5) Three boxes are kept between Box 3 and Box 9, which are kept just below the Box of Detergent.
 6) Box 3 contains the Newspaper and is delivered to Patna.
 7) The box of Pens and the box of Chocolates are delivered to Nagpur.
 8) The Shampoo box is delivered to Pune but it is not kept in Box 5 and Box 7
 9) Box 9 isn't delivered to Nagpur, Patna, or Delhi.

| Boxes | Items | Cities |
|-------|-----------|--------|
| | | Mumbai |
| | Detergent | |
| 9 | Shampoos | Pune |
| 7 | | |
| 5 | Soaps | Pune |
| | | |
| 3 | Newspaper | Patna |
| | Creams | |
| | | Mumbai |

- 10) Box 7 doesn't contain Pens.
 11) Box 6 and Box 8 are delivered to Mumbai.
 12) Box 1 isn't delivered to Delhi.

| Boxes | Items | Cities |
|-------|---------------|--------|
| 6/8 | Wallets/Purse | Mumbai |
| 2/4 | Detergents | Delhi |
| 9 | Shampoos | Pune |
| 7 | Chocolates | Nagpur |
| 5 | Soaps | Pune |
| 1 | Pens | Nagpur |
| 3 | Newspaper | Patna |
| 4/2 | Cream | Delhi |
| 8/6 | Purse/Wallets | Mumbai |

Clearly, all items are kept in an even number box except for Soaps.

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

Q:6 The correct answer is **Option 3** i.e **Vacant Box**

1. Top most box has filled with white color in stack

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- 3.
2. Box numbered 5 is filled with rosy red color.
3. Box numbered 3 is filled with grey color.
4. Box numbered 6 is placed in the west of box 2 and east of the yellow box, which is the topmost box.
5. Box numbered 6 is filled with orange color.
6. The box filled with black color is placed at the bottommost position in stack 1.
7. Box numbered 6 is filled with orange color and one box is empty between box numbered 6 and box numbered 1 in the same stack.
8. Two boxes are placed between box numbered 1 and box numbered 3 which is placed in stack 1.
9. Box numbered 12 which is filled with golden color placed just above box numbered 3 in the same stack.
10. Box numbered 1 is filled with sky blue.
11. Box numbered 1 is placed immediately above the box which is filled with green colors in the same stack.
12. Box numbered 10 is filled with navy blue color and placed in the east of the Sky blue box.

| Stack 1 | Stack 2 | Stack 3 |
|------------|-------------|----------------|
| Yellow | Orange (6) | White(2) |
| | | |
| | Sky Blue(1) | Navy Blue (10) |
| | Green | |
| Golden(12) | | |
| Grey (3) | | |
| Black | | |

13. The red box is placed just below the yellow box in the same stack.
14. The violet box is not adjacent to either the white or Navy blue box.
15. Box numbered 11 is placed in the west of the box filled with green color.
16. One box is empty between box numbered 7 and box numbered 11. Box numbered 11 is filled with pink in stack 1.
17. There are only 5 boxes marked in stack 3.
18. Silver box is placed just above the blue color box and there is one empty box just above the silver box in the same stack but not in stack 3.
19. Only one vacant box is placed between the rosy red box and box number 13 both are placed in stack 3. The box just above and just below the rosy red box are vacant. Box number 13 is at the bottommost place.

20. The difference between the blue box and the silver box and the difference between the green box and the silver box is equal to the number of the rosy red boxes.
21. The number of brown boxes is double the number of the black box. The number of the blue box is more than the green box.
22. The number of Yellow box is greater than number of Blue box.

| Stack 1 | Stack 2 | Stack 3 |
|-------------|-------------|----------------|
| Yellow (15) | Orange (6) | White(2) |
| Red (7) | | Brown (16) |
| | Sky Blue(1) | Navy Blue (10) |
| Pink (11) | Green (4) | |
| Golden(12) | | Rosy red (5) |
| Grey (3) | Silver (9) | |
| Black (8) | Blue (14) | Violet (13) |

Hence, **Vacant Box** is the correct answer.

Q:7 The correct answer is **Option 1** i.e. **Only 2**

1. Top most box has filled with white color in stack 3
2. Box numbered 5 is filled with rosy red color.
3. Box numbered 3 is filled with grey color.
4. Box numbered 6 is placed in the west of box 2 and east of the yellow box, which is the topmost box.
5. Box numbered 6 is filled with orange color.
6. The box filled with black color is placed at the bottommost position in stack 1.
7. Box numbered 6 is filled with orange color and one box is empty between box numbered 6 and box numbered 1 in the same stack.
8. Two boxes are placed between box numbered 1 and box numbered 3 which is placed in stack 1.
9. Box numbered 12 which is filled with golden color placed just above box numbered 3 in the same stack.
10. Box numbered 1 is filled with sky blue.
11. Box numbered 1 is placed immediately above the box which is filled with green colors in the same stack.
12. Box numbered 10 is filled with navy blue color and placed in the east of the Sky blue box.

| Stack 1 | Stack 2 | Stack 3 |
|---------|-------------|----------------|
| Yellow | Orange (6) | White(2) |
| | | |
| | Sky Blue(1) | Navy Blue (10) |
| | Green | |

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| | | |
|------------|--|--|
| Golden(12) | | |
| Grey (3) | | |
| Black | | |

13. The red box is placed just below the yellow box in the same stack.
14. The violet box is not adjacent to either the white or Navy blue box.
15. Box numbered 11 is placed in the west of the box filled with green color.
16. One box is empty between box numbered 7 and box numbered 11. Box numbered 11 is filled with pink in stack 1.
17. There are only 5 boxes marked in stack 3.
18. Silver box is placed just above the blue color box and there is one empty box just above the silver box in the same stack but not in stack 3.
19. Only one vacant box is placed between the rosy red box and box number 13 both are placed in stack 3. The box just above and just below the rosy red box are vacant. Box number 13 is at the bottommost place.
20. The difference between the blue box and the silver box and the difference between the green box and the silver box is equal to the number of the rosy red boxes.
21. The number of brown boxes is double the number of the black box. The number of the blue box is more than the green box.
22. The number of Yellow box is greater than number of Blue box.

| Stack 1 | Stack 2 | Stack 3 |
|-------------|-------------|----------------|
| Yellow (15) | Orange (6) | White(2) |
| Red (7) | | Brown (16) |
| | Sky Blue(1) | Navy Blue (10) |
| Pink (11) | Green (4) | |
| Golden(12) | | Rosy red (5) |
| Grey (3) | Silver (9) | |
| Black (8) | Blue (14) | Violet (13) |

Hence, **Only 2** is the correct answer.

Q:8 The correct answer is **Option 5** i.e. **16**

1. Top most box has filled with white color in stack 3
2. Box numbered 5 is filled with rosy red color.
3. Box numbered 3 is filled with grey color.
4. Box numbered 6 is placed in the west of box 2 and east of the yellow box, which is the topmost box.
5. Box numbered 6 is filled with orange color.

6. The box filled with black color is placed at the bottommost position in stack 1.
7. Box numbered 6 is filled with orange color and one box is empty between box numbered 6 and box numbered 1 in the same stack.
8. Two boxes are placed between box numbered 1 and box numbered 3 which is placed in stack 1.
9. Box numbered 12 which is filled with golden color placed just above box numbered 3 in the same stack.
10. Box numbered 1 is filled with sky blue.
11. Box numbered 1 is placed immediately above the box which is filled with green colors in the same stack.
12. Box numbered 10 is filled with navy blue color and placed in the east of the Sky blue box.

| Stack 1 | Stack 2 | Stack 3 |
|------------|-------------|----------------|
| Yellow | Orange (6) | White(2) |
| | | |
| | Sky Blue(1) | Navy Blue (10) |
| | Green | |
| Golden(12) | | |
| Grey (3) | | |
| Black | | |

13. The red box is placed just below the yellow box in the same stack.
14. The violet box is not adjacent to either the white or Navy blue box.
15. Box numbered 11 is placed in the west of the box filled with green color.
16. One box is empty between box numbered 7 and box numbered 11. Box numbered 11 is filled with pink in stack 1.
17. There are only 5 boxes marked in stack 3.
18. Silver box is placed just above the blue color box and there is one empty box just above the silver box in the same stack but not in stack 3.
19. Only one vacant box is placed between the rosy red box and box number 13 both are placed in stack 3. The box just above and just below the rosy red box are vacant. Box number 13 is at the bottommost place.
20. The difference between the blue box and the silver box and the difference between the green box and the silver box is equal to the number of the rosy red boxes.
21. The number of brown boxes is double the number of the black box. The number of the blue box is more than the green box.

22. The number of Yellow box is greater than number of Blue box.

| Stack 1 | Stack 2 | Stack 3 |
|-------------|-------------|----------------|
| Yellow (15) | Orange (6) | White(2) |
| Red (7) | | Brown (16) |
| | Sky Blue(1) | Navy Blue (10) |
| Pink (11) | Green (4) | |
| Golden(12) | | Rosy red (5) |
| Grey (3) | Silver (9) | |
| Black (8) | Blue (14) | Violet (13) |

Hence, **16** is the correct answer.

Q:9 The correct answer is **Option 1** i.e. **2**

- Top most box has filled with white color in stack 3
- Box numbered 5 is filled with rosy red color.
- Box numbered 3 is filled with grey color.
- Box numbered 6 is placed in the west of box 2 and east of the yellow box, which is the topmost box.
- Box numbered 6 is filled with orange color.
- The box filled with black color is placed at the bottommost position in stack 1.
- Box numbered 6 is filled with orange color and one box is empty between box numbered 6 and box numbered 1 in the same stack.
- Two boxes are placed between box numbered 1 and box numbered 3 which is placed in stack 1.
- Box numbered 12 which is filled with golden color placed just above box numbered 3 in the same stack.
- Box numbered 1 is filled with sky blue.
- Box numbered 1 is placed immediately above the box which is filled with green colors in the same stack.
- Box numbered 10 is filled with navy blue color and placed in the east of the Sky blue box.

| Stack 1 | Stack 2 | Stack 3 |
|------------|-------------|----------------|
| Yellow | Orange (6) | White(2) |
| | | |
| | Sky Blue(1) | Navy Blue (10) |
| | Green | |
| Golden(12) | | |
| Grey (3) | | |
| Black | | |

- The red box is placed just below the yellow box in the same stack.
- The violet box is not adjacent to either the white

or Navy blue box.

- Box numbered 11 is placed in the west of the box filled with green color.
- One box is empty between box numbered 7 and box numbered 11. Box numbered 11 is filled with pink in stack 1.
- There are only 5 boxes marked in stack 3.
- Silver box is placed just above the blue color box and there is one empty box just above the silver box in the same stack but not in stack 3.
- Only one vacant box is placed between the rosy red box and box number 13 both are placed in stack 3. The box just above and just below the rosy red box are vacant. Box number 13 is at the bottommost place.
- The difference between the blue box and the silver box and the difference between the green box and the silver box is equal to the number of the rosy red boxes.
- The number of brown boxes is double the number of the black box. The number of the blue box is more than the green box.
- The number of Yellow box is greater than number of Blue box.

| Stack 1 | Stack 2 | Stack 3 |
|-------------|-------------|----------------|
| Yellow (15) | Orange (6) | White(2) |
| Red (7) | | Brown (16) |
| | Sky Blue(1) | Navy Blue (10) |
| Pink (11) | Green (4) | |
| Golden(12) | | Rosy red (5) |
| Grey (3) | Silver (9) | |
| Black (8) | Blue (14) | Violet (13) |

Hence, **2** is the correct answer.

Q:10 The correct answer is **Option 2** i.e. **6**

- Top most box has filled with white color in stack 3
- Box numbered 5 is filled with rosy red color.
- Box numbered 3 is filled with grey color.
- Box numbered 6 is placed in the west of box 2 and east of the yellow box, which is the topmost box.
- Box numbered 6 is filled with orange color.
- The box filled with black color is placed at the bottommost position in stack 1.
- Box numbered 6 is filled with orange color and one box is empty between box numbered 6 and box numbered 1 in the same stack.
- Two boxes are placed between box numbered



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1 and box numbered 3 which is placed in stack 1.

9. Box numbered 12 which is filled with golden color placed just above box numbered 3 in the same stack.

10. Box numbered 1 is filled with sky blue.

11. Box numbered 1 is placed immediately above the box which is filled with green colors in the same stack.

12. Box numbered 10 is filled with navy blue color and placed in the east of the Sky blue box.

| Stack 1 | Stack 2 | Stack 3 |
|------------|-------------|----------------|
| Yellow | Orange (6) | White(2) |
| | | |
| | Sky Blue(1) | Navy Blue (10) |
| | Green | |
| Golden(12) | | |
| Grey (3) | | |
| Black | | |

13. The red box is placed just below the yellow box in the same stack.

14. The violet box is not adjacent to either the white or Navy blue box.

15. Box numbered 11 is placed in the west of the box filled with green color.

16. One box is empty between box numbered 7 and box numbered 11. Box numbered 11 is filled with pink in stack 1.

17. There are only 5 boxes marked in stack 3.

18. Silver box is placed just above the blue color box and there is one empty box just above the silver box in the same stack but not in stack 3.

19. Only one vacant box is placed between the rosy red box and box number 13 both are placed in stack 3. The box just above and just below the rosy red box are vacant. Box number 13 is at the bottommost place.

20. The difference between the blue box and the silver box and the difference between the green box and the silver box is equal to the number of the rosy red boxes.

21. The number of brown boxes is double the number of the black box. The number of the blue box is more than the green box.

22. The number of Yellow box is greater than number of Blue box.

| Stack 1 | Stack 2 | Stack 3 |
|-------------|------------|------------|
| Yellow (15) | Orange (6) | White(2) |
| Red (7) | | Brown (16) |

| | | |
|------------|-------------|----------------|
| | Sky Blue(1) | Navy Blue (10) |
| Pink (11) | Green (4) | |
| Golden(12) | | Rosy red (5) |
| Grey (3) | Silver (9) | |
| Black (8) | Blue (14) | Violet (13) |

Hence, 6 is correct.