



Friends!

We Used **Smartkeeda** and cracked Bank Exams

बैंक परीक्षाओं के लिए निश्चित रूप से

सर्वश्रेष्ठ मॉक टेस्ट सीरीज



Soumyadip Biswas
IBPS PO 2023



Dhairya Gaur
RRB PO 2023



Tiyasa Roy
IBPS Clerk & PO 2023



MD. Shaban
IBSP PO & Clerk 2023



Bhavana Padaliya
IBPS Clerk & PO 2023



Kajol Wadhvani
IBPS PO & Clerk 2023



Eshu Singh
SBI PO 2023



Sachin Rai
IBPS PO & Clerk 2023



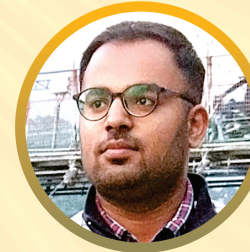
Sudheer Jangid
RRB Clerk 2023



Vrinda Agarwal
SBI PO 2023



Shreya Mahendra Moon
IBPS PO 2023



Ansh Gulati
IBPS PO & Clerk 2023
SBI PO & RRB Clerk 2023

It's Your Turn Now
Take A Free Mock Test

USE CODE

FEST24 for 10% OFF

Seating Arrangement Questions for IBPS PO Pre, IBPS RRB Scale I Pre, SBI PO Pre, Syndicate Bank PO, Canara Bank PO, RBI Grade B, IBPS SO Pre, IBPS Clerk Mains and SBI Clerk Mains Exams.

Set No 119

Directions: Read the information carefully and answer the questions given below.

Six vessels were placed in a row. The vessels were named A, B, C, D, E and F. They contained different volumes of Milk from 1 to 6 liters but not necessarily in the same order. The vessels are differentiated with respect to following colors Blue, Green, Red, Black, Purple and Yellow but not necessarily in the same order. Consider all the vessels were facing north direction.

The vessel F was third to the right of Black colored vessel.

The Purple colored vessel had the thrice the volume of Milk as in the Vessel E.

The vessel D was placed exactly between the Red colored vessel and the vessel A.

The Green vessel had 4 liters of Milk and it was at either of the extreme ends.

Total volume of Milk in the vessel F and the volume of Milk to its immediate right were equal to the volume of Milk in the vessel A.

The vessel D and the vessel E were at a gap of two vessels.

The vessel C was second to the left of the vessel having 6 liters of Milk.

The vessel D had 3 liters of Milk.

The Blue vessel had more volume of Milk than vessel E.

1. Which among the following vessels has 6 liters Milk?

- | | | |
|--------------------------|--------------------------|-------------------------|
| A. Blue colored vessel | B. Yellow colored vessel | C. Black colored vessel |
| D. Purple colored vessel | E. Can't be determined | |

2. Which among the following vessels is placed 2nd to the left of Purple colored vessel?

- | | | |
|----------------------------------|------------------------|----------------------------------|
| A. The vessel with 2 liters Milk | B. Vessel C | C. The vessel with 3 liters Milk |
| D. Vessel E | E. Can't be determined | |

3. How much liters of milk is there in the Black colored vessel?

- A. 1 liter B. 2 liters C. 5 liters D. 3 liters E. Can't be determined

4. How many vessels are placed between Yellow and Blue colored vessel?

- A. None B. Three C. One D. Two E. Can't be determined

5. What is the sum of the quantity of Milk in Yellow and Black colored vessel?

- A. 7 liters B. 9 liters C. 8 liters D. 11 liters E. None of these

Correct Answers:

1	2	3	4	5
D	B	C	D	A

Common explanation:

References

1. The vessel F was third to the right of Black colored vessel.
2. The Green vessel had 4 liters of Milk and it was at either of the extreme ends.
3. Total volume of Milk in the vessel F and the volume of Milk to its immediate right were equal to the volume of Milk in the vessel A.
4. The vessel D was placed exactly between the Red colored vessel and the vessel A.
5. The vessel D had 3 liters of Milk.
6. The vessel D and the vessel E were at a gap of two vessels.
7. The vessel C was second to the left of the vessel having 6 liters of Milk

Inferences

From above statements,

- The Milk in vessels A, B, C, D, E and F are 1, 2, 3, 4, 5 and 6 liters but not necessarily in the same order.
- If Black colored vessel is placed at extreme left end, then Green colored vessel placed at extreme right end (Case-1).
- If Black colored vessel is placed at 2nd from left end, then Green colored vessel can be placed at either of the ends (we get two cases-2 & 3)
- If Black colored vessel is placed at 2nd from left end, then Green colored vessel can be placed at either of the ends, but the vessel F comes at extreme right end, by this it violates point-3. Hence this is not possible.
- Now, the vessel D has 3 liters Milk and placed exactly between the Red colored vessel and the vessel A. From this, it is clearly observe that the vessel D is not placed at either of the ends.

- With reference to 4th, 5th, 6th & 7th point, the vessel D can be placed in each case.

In Case-1 :- the vessel D is placed 2nd from right end, then the vessel F becomes Red colored and the vessel A becomes Green colored. The vessel C is placed at extreme left end and the vessel E is placed at 2nd from left end, by this 4th, 5th, 6th & 7th point get satisfied (only possibility)

Case: 1						
Vessels (North)	C	E		F	D	A
Milk (Liters)			6		3	4
Color	Black			Red		Green

In Case-2 :- the vessel D is placed 3rd from left end, then the vessel C becomes Red colored and the vessel A becomes Black colored. The vessel C is placed at 3rd from right end and the vessel E is placed at from right end, by this the immediate right of vessel F has vessel E with 6 liters. If we observe the 3rd reference point, it is not possible since the maximum liters in any vessel are 6 liters. So this case can be eliminated.

Case: 2 [Eliminated]						
Reference point-3 Violates						
Vessels (North)		A	D	C	F	E
Milk (Liters)	4		3			6
Color	Green	Black		Red		

In Case-3 & 3-A :- the vessel D can be placed at either at 3rd or 4th from left end. But neither of the cases, the reference point-7 gets satisfied. Hence we eliminated the following cases.

Case: 3[Eliminated]						
Reference point-7 Violates						
Vessels (North)		A	D		F	E
Milk (Liters)			3			4
Color		Black	Red			Green

Case: 3-A[Eliminated]						
Reference point-7 Violates						
Vessels (North)	E		A	D	F	
Milk (Liters)				3		4
Color		Black			Red	Green

References

1. Total volume of Milk in the vessel F and the volume of Milk to its immediate right were equal to the volume of Milk in the vessel A.
2. The Purple colored vessel had the thrice the volume of Milk as in the Vessel E.
3. The Blue vessel had more volume of Milk then vessel E.

Inferences

From above statements,

- Note: Only case-1 is left to continue the arrangements.
- With respect to the 1st point, the vessel F has 1 liter milk; by this its immediate right vessel D has 3 liters milk. [Given condition, Vessel F + Vessel D = Vessel A, we know Vessel A has 4 liters milk i.e. $3 + 1 = 4$ liters milk. Thus the given condition satisfied.
- From table, vessel B has 6 liters milk.
- Remaining liters available are 2 and 5.
- With reference to 2nd point, the vessel E should have 2 liters milk, by this the vessel B becomes Purple colored ($2 \times 3 = 6$, i.e. thrice the volume of Milk as in the Vessel E)
- Finally, the vessel C has 5 liters milk.
- With reference to 3rd point, the vessel D is Blue colored (Vessel D, $3 >$ Vessel E, 2)
- Finally, Vessel E becomes Yellow colored vessel. Thus we get the completed arrangement as shown in table.

Case: 1						
Vessels (North)	C	E	B	F	D	A
Milk (Liters)	5	2	6	1	3	4
Color	Black	Yellow	Purple	Red	Blue	Green

Answers :

1. The following common explanation, we get "**B - P Purple colored - 6 liters**".

Hence, option D is correct.

2. The following common explanation, we get "**[Vessel C] [B-Purple colored-6 liters and its 2nd left is Vessel C]**".

Hence, option B is correct.

3. The following common explanation, we get "**Vessel C-Black colored-5 liters**".

Hence, option C is correct.

Join us on Telegram for more PDFs

Click here



4. The following common explanation, we get "**Two vessels**".

Hence, option D is correct.

5. The following common explanation, we get "**7 liters**".

E-Yellow - 2 liters & C - Black - 5 liters. Sum = $2 + 5 = 7$ liters.

Hence, option A is correct.

Join us on Telegram for more **PDFs**

Click here



Smartkeeda

The Question Bank



Smartkeeda

The Question Bank

Presents

Testzone

India's Leading Test Series Platform

All Banks Exams
2024-25

12 Months Plan

@Just

Rs. **764**

To get 10% Off use code **FEST24**

- ✓ Brilliant Test Analysis
- ✓ Excellent Content
- ✓ Unmatched Explanation

Buy Now

