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Puzzle test for SBI PO Mains, IBPS PO Mains and RBI Grade B Exams.

PT Set No 175

Directions: Study the following information carefully and answer the questions given beside.

There are eight milk men, who sold milk of different cow breeds among Sahiwal, Tharparkar, Red Sindhi, Kankrej, Ongole, Dangi, Khillari, and Nagori. Each of them sold different liters of milk on a particular day among 48, 43, 32, 29, 25, 23, 19, and 12. The one who sold 48 liters of milk in a day is most experienced and the one who sold 12 liters of milk in a day is least experienced. All the above information is not necessarily in the same order.

There are three experienced persons between P and the one, who sold Ongole breed milk. Number of liters of milk sold by P is a prime number, but not 29 liters. There are two experienced persons between Q, who has more experience than S and the one, who sold Nagori breed milk. More than three experienced persons are there between S and the one, who sold Kankrej breed milk. R, who sold Khillari breed milk, has more experience than W. More than two experienced persons are there between U and the one, who sold Khillari breed milk. The one, who sold Dangi breed milk, has less experience than the one, who sold Sahiwal breed milk. Only one experienced person is there between V and the one, who sold Kankrej breed milk. The one, who sold Kankrej breed milk, has not sold 32 liters milk. As many experienced persons before T is same as after the one, who sold Tharparkar breed milk. T doesn't sell Nagori breed milk. The one, who sold Red Sindhi breed milk, has less experience than T and there is no experienced person in between them. P doesn't sell Nagori breed milk. The one, who sold Nagori breed milk, has more experience than S and there is no experienced person in between them.

1.   How many liters milk sold by the one, who sold Sahiwal breed milk?

A. 23 liters   B. 19 liters   C. 29 liters   D. 32 liters   E. None of the above

2.   What is the total liters of milk sold by the one, who sold Dangi breed milk and W?

A. 44 liters   B. 51 liters   C. 52 liters   D. 61 liters   E. None of the above

3.   If R sold Rs.35/liter milk and U sold Rs.40/liter milk, then what is the sum of the amounts sold by R and U?

A. Rs. 1355   B. Rs. 1985   C. Rs. 1495   D. Rs. 1565   E. None of the above

4.   Which among the following combinations is True?

A. P-Red Sindhi-43liters   B. S-Tharparkar-12liters   C. W-Nagori-19liters   D. V-Dangi-32liters
E. None of the above

5. **Who among the following are less experienced than the one, who sold Red Sindhi breed milk?**

I. The one, who sold Kankrej breed milk

II. The one, who sold Sahiwal breed milk

III. The one who sold Ongole breed milk

A. Both I and II   B. Both II and III   C. Both I and III   D. All I, II and III   E. None of the above

Correct Answers:

1	2	3	4	5
A	A	C	E	B

Common explanation :

References:

There are eight milk men, who sold milk of different cow breeds among Sahiwal, Tharparkar, Red Sindhi, Kankrej, Ongole, Dangi, Khillari, and Nagori.

Each of them sold different liters of milk on a particular day among 48, 43, 32, 29, 25, 23, 19, and 12.

The one who sold 48 liters of milk in a day is most experienced and the one who sold 12 liters of milk in a day is least experienced.

All the above information is not necessarily in the same order.

Inferences:

From above statements,

Keep all the above information in mind while solving this puzzle.

References:

Number of liters of milk sold by P is a prime number, but not 29 liters.

There are three experienced persons between P and the one, who sold Ongole breed milk.
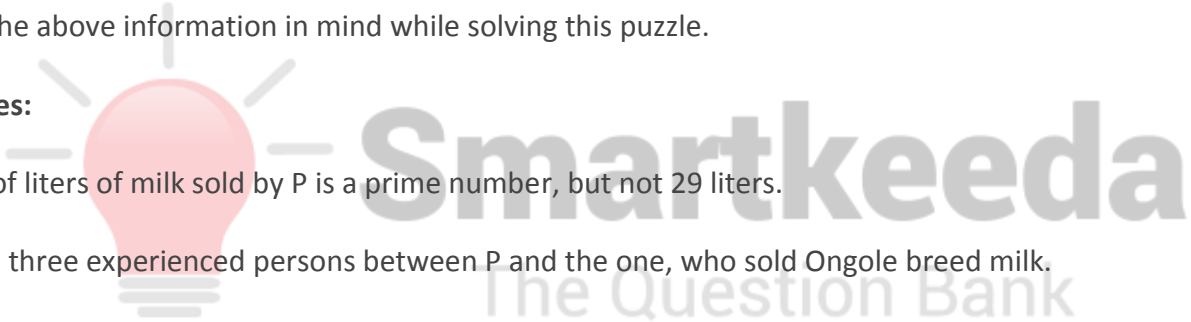
Inferences:

From above statements,

As per 1st ref point, P sold either 43liters or 23liters or 19liters (prime numbers among given except 29 liters). Thus we have three possibilities as shown,

Case-1: Here P sold 43liters milk and as per 2nd ref point, the one, who sold Ongole breed milk, has sold 23liters milk.

Case-2: Here P sold 23liters milk and as per 2nd ref point, the one, who sold Ongole breed milk, has sold 43liters milk.

Case-3: Here P sold 19liters milk and as per 2nd ref point, the one, who sold Ongole breed milk, has sold 32liters milk.

By using above information we get the following arrangement,

Case-1			Case-2			Case-3		
Liters of milk (experienced Order)	**Milk men**	**Cow breed**	**Liters of milk (experienced Order)**	**Milk men**	**Cow breed**	**Liters of milk (experienced Order)**	**Milk men**	**Cow breed**
48			48			48		
43	P		43		Ongole	43		
32			32			32		Ongole
29			29			29		
25			25			25		
23		Ongole	23	P		23		
19			19			19	P	
12			12			12		

References:

The one, who sold Nagori breed milk, has more experience than S and there is no experienced person in between them.

P doesn't sell Nagori breed milk.

There are two experienced persons between Q, who has more experience than S and the one, who sold Nagori breed milk.

Inferences:

From above statements,

By combining above statements we get one more possibility for each case, thus six cases in total.

Case-1: Here the one, who sold Nagori breed milk, has sold 19liters milk and S has sold 12liters milk (ref point-1). Finally Q has sold 29liters milk (ref point-3), 1st possibility.

Case-1-A: Here the one, who sold Nagori breed milk, has sold 29liters milk and S has sold 25liters milk (ref point-1). Finally Q has sold 48liters milk (ref point-3), 2nd & final possibility.

Case-2: Here the one, who sold Nagori breed milk, has sold 19liters milk and S has sold 12liters milk (ref point-1). Finally Q has sold 29liters milk (ref point-3), 1st possibility.

By using above information we get the following arrangement,

Case-1			Case-1-A			Case-2		
Liters of milk (experienced Order)	**Milk men**	**Cow breed**	**Liters of milk (experienced Order)**	**Milk men**	**Cow breed**	**Liters of milk (experienced Order)**	**Milk men**	**Cow breed**
48			48	Q		48		
43	P	~~Nagori~~	43	P	~~Nagori~~	43		Ongole
32			32			32		
29	Q		29		Nagori	29	Q	
25			25	S		25		
23		Ongole	23		Ongole	23	P	~~Nagori~~
19		Nagori	19			19		Nagori
12	S		12			12	S	

Case-2-A: Here the one, who sold Nagori breed milk, has sold 29liters milk and S has sold 25liters milk (ref point-1). Finally Q has sold 48liters milk (ref point-3), 2nd & final possibility.

Case-3: Here the one, who sold Nagori breed milk, has sold 25liters milk and S has sold 23liters milk (ref point-1). Finally Q has sold 43liters milk (ref point-3), 1st possibility.

Case-3-A: Here the one, who sold Nagori breed milk, has sold 29liters milk and S has sold 25liters milk (ref point-1). Finally Q has sold 48liters milk (ref point-3), 2nd & final possibility.

By using above information we get the following arrangement,

Case-2-A			Case-3			Case-3-A		
Liters of milk (experienced Order)	Milk men	Cow breed	Liters of milk (experienced Order)	Milk men	Cow breed	Liters of milk (experienced Order)	Milk men	Cow breed
48	Q		48			48	Q	
43		Ongole	43	Q		43		
32			32		Ongole	32		Ongole
29		Nagori	29			29		Nagori
25	S		25		Nagori	25	S	
23	P	~~Nagori~~	23	S		23		
19			19	P	~~Nagori~~	19	P	~~Nagori~~
12			12			12		

References:

More than three experienced persons are there between S and the one, who sold Kankrej breed milk.

Only one experienced person is there between V and the one, who sold Kankrej breed milk.

The one, who sold Kankrej breed milk, has not sold 32 liters milk.

Inferences:
From above statements,

As per 1st ref point minimum 4 (more than 3) experienced persons are there between S and the one, who sold Kankrej breed milk.

Case-1-A, Case-2-A & Case-3-A gets eliminated sine we can't satisfy the 1st reference point.

Case-1 & 2: By combining all the above ref points we get only possibility i.e. the one, who sold Kankrej breed milk, has sold 48liters milk and V has sold 32liters milk [i.e. there are 6 experienced persons are there between S and the one, who sold Kankrej breed milk]

Note: in case-1, if the one, who sold Kankrej breed milk, has sold 43liters milk, then we can't satisfy 2nd ref point.

By using above information we get the following arrangement,

Liters of milk (experienced Order)	Milk men	Cow breed	Liters of milk (experienced Order)	Milk men	Cow breed	Liters of milk (experienced Order)	Milk men	Cow breed
Case-1			**Case-1-A [Eliminated]**			**Case-2**		
48		Kankrej	48	Q		48		Kankrej
43	P		43	P		43		Ongole
32	V	~~Kankrej~~	32			32	V	~~Kankrej~~
29	Q		29		Nagori	29	Q	
25			25	S		25		
23		Ongole	23		Ongole	23	P	
19		Nagori	19			19		Nagori
12	S		12			12	S	

Case-3: By combining all the above ref points we get only possibility i.e. the one, who sold Kankrej breed milk, has sold 48liters milk and V has sold 32liters milk [i.e. there are 4 experienced persons are there between S and the one, who sold Kankrej breed milk]

By using above information we get the following arrangement,

Liters of milk (experienced Order)	Milk men	Cow breed	Liters of milk (experienced Order)	Milk men	Cow breed	Liters of milk (experienced Order)	Milk men	Cow breed
Case-2-A [Eliminated]			**Case-3**			**Case-3-A [Eliminated]**		
48	Q		48		Kankrej	48	Q	
43		Ongole	43	Q		43		
32			32	V	Ongole	32		Ongole
29		Nagori	29			29		Nagori
25	S		25		Nagori	25	S	
23	P		23	S		23		
19			19	P		19	P	
12			12			12		

References:

As many experienced persons before T is same as after the one, who sold Tharparkar breed milk.

T doesn't sell Nagori breed milk.

The one, who sold Red Sindhi breed milk, has less experience than T and there is no experienced person in between them.

Inferences:

From above statements,

By combining above statements we get only possibility for each case as shown,

Case-1 &3: Here T sold 48liters milk and the one, who sold Tharparkar breed milk, has 12liters milk (ref point-1). Finally, the one, who sold Red Sindhi breed milk, has sold 43liters milk (ref point-3)

Case-2: Here T sold 25liters milk and the one, who sold Tharparkar breed milk, has 29liters milk (ref point-1). Finally, the one, who sold Red Sindhi breed milk, has sold 23liters milk (ref point-3)

By using above information we get the following arrangement,

Case-1			Case-2			Case-3		
Liters of milk (experienced Order)	Milk men	Cow breed	Liters of milk (experienced Order)	Milk men	Cow breed	Liters of milk (experienced Order)	Milk men	Cow breed
48	T	Kankrej	48		Kankrej	48	T	Kankrej
43	P	Red Sindhi	43		Ongole	43	Q	Red Sindhi
32	V		32	V		32	V	Ongole
29	Q		29	Q	Tharparkar	29		
25			25	T		25	~~T~~	Nagori
23		Ongole	23	P	Red Sindhi	23	S	
19	~~T~~	Nagori	19	~~T~~	Nagori	19	P	
12	S	Tharparkar	12	S		12		Tharparkar

References:

R, who sold Khillari breed milk, has more experience than W.

More than two experienced persons are there between U and the one, who sold Khillari breed milk.

The one, who sold Dangi breed milk, has less experience than the one, who sold Sahiwal breed milk.

Inferences:

From above statements,

Case-1: R sold 25liters Khillari breed milk, only possibility. Given, more than two experienced persons are there between U and the one, who sold Khillari breed milk and this is not possible in this arrangement. Hence case-1 gets eliminated.

Case-2: Given, R, who sold Khillari breed milk, has more experience than W and this is not possible in this arrangement. Hence case-2 gets eliminated.

Case-3: R sold 29liters Khillari breed milk, only possibility. As per 2nd ref point, U sold 12liters milk. Finally, W sold 25liters milk (ref point-1).

Finally, P sold Dangi breed milk and S sold Sahiwal breed milk (ref point-3)

All the given conditions get satisfied and we get the completed arrangement in case-3

Case-1 [Eliminated]			Case-2 [Eliminated]			Case-3		
Liters of milk (experienced Order)	Milk men	Cow breed	Liters of milk (experienced Order)	Milk men	Cow breed	Liters of milk (experienced Order)	Milk men	Cow breed
48	T	Kankrej	48		Kankrej	48	T	Kankrej
43	P	Red Sindhi	43		Ongole	43	Q	Red Sindhi
32	V		32	V		32	V	Ongole
29	Q		29	Q	Tharparkar	29	R	Khillari
25	R	Khillari	25	T		25	W	Nagori
23		Ongole	23	P	Red Sindhi	23	S	Sahiwal
19		Nagori	19		Nagori	19	P	Dangi
12	S	Tharparkar	12	S		12	U	Tharparkar

Answers:

1. Following the common explanation, we get **"23 liters".**

S sold 23liters Sahiwal breed milk

Hence, option A is correct.

2. Following the common explanation, we get **"44 liters".**

P sold 19liters Dangi breed milk and W sold 25liters milk

Sum, 19 + 25 = 44 liters

Hence, option A is correct.

3. Following the common explanation, we get **"Rs.1495".**

R sold 29 liters Khillari breed milk

As per question, 29 liters × Rs.35 = Rs.1015

U sold 12 liters Tharparkar breed milk

As per question, 12 liters × Rs.40 = Rs.480

Sum, Rs.1015 + Rs.480 = Rs.1495

Hence, option C is correct.

4. Following the common explanation, we get **"None of the above".**

All the combinations are false

Hence, option E is correct.

5. Following the common explanation, we get **"Both II and III".**

Q sold Red Sindhi breed milk

Q has more experience than V, who sold Ongole breed milk and S, who sold Sahiwal breed milk.

Hence, option B is correct.