Date Interpretation Table Chart Questions for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains and IBPS Clerk Mains Exams.

DI Table Chart Quiz 71

Directions: Study the following table chart carefully and answer the questions given beside:

The table1 given below gives the information about reduction in fuel prices (In Rs. per litre) on September 17, 2017 in the given four cities.

Table 1: (The price of fuel per litre after adding VAT)

City	Petrol		Diesel	
	Old	New	Old	New
Chennai	74.80	62.10	62.72	54.20
Bangalore	72.40	57.92	65.50	60.00
Delhi	84.25	78.50	74.28	70.40
Kolkata	75.75	70.00	68.90	62.40

1. On September 17, 2017, what was the percentage decrease in the new price of petrol per litre over that of the old price of petrol per litre in the city Bangalore?

A. 25%   B. 20%   C. 10%   D. 30%   E. None of these

2. What is the average new price of diesel (Rs. per litre) in all the given cities together?

A. 64.50   B. 58.75   C. 63.75   D. 61.75   E. None of these

3. In Kolkata, on diesel, the old VAT percentage was 30% of the diesel price but the new VAT percentage is 20% of the diesel price. In that city, if a person purchases 10 litres of diesel on new price then how much less VAT (In Rs.) does he pay?

A. Rs. 85   B. Rs. 55   C. Rs. 75   D. Rs. 125   E. None of these

4. What is the respective ratio of the old price of petrol in Chennai to that the new price of Diesel in Delhi?

A. 3 : 2   B. 25 : 24   C. 17 : 16   D. 19 : 24   E. None of these

5. The highest amount decrease (In Rs.) on the price of petrol in any of the four cities is how much more than the lowest amount decrease (In Rs.) on the price of diesel in any of the four cities?

A. Rs. 10.6   B. Rs. 8.82   C. Rs. 10.98   D. Rs. 8.72   E. None of these

Correct Answers:

1	2	3	4	5
B	D	B	C	A

Explanations:

1.
New price =Rs. 57.92
Old price =Rs. 72.40

The reqd. % decrease $= \dfrac{(72.40 - 57.92) \times 100}{72.40} = \dfrac{14.48 \times 100}{72.40} = 20\%$

Hence, option B is correct.

2.
The average

$= \dfrac{54.20 + 60 + 70.40 + 62.40}{4} = \dfrac{247}{4} =$ Rs. 61.75 per litre

Hence, option D is correct.

3.
Old rate = Rs. 68.90
Total price of 10 litres = 68.90 × 10 = Rs. 689
Let the price of petrol be Rs. 100x / litre , so VAT is Rs. 30x / litre
So, 130x = 68.9
x = 0.53
VAT = 0.53 × 30 = Rs. 15.9
New rate = Rs. 62.40
Total price of 10 litres = 62.40 × 10 =Rs. 624
Let the price of petrol be Rs. 100x / litre , so VAT is Rs. 20x / litre
So, 120x = 62.4
x = 0.52
VAT = 0.52 × 20 = Rs. 10.4
The required answer = 10(15.9 – 10.4) = Rs. 55
Hence, option B is correct.

4.
The required ratio = 74.8 : 70.40 = 17 : 16
Hence, option C is correct.

5.
From the table it is clear that the highest amount decrease on the price of petrol was in Bangalore = Rs. 14.48

The lowest price decrease on the price of diesel was in Delhi = Rs. 3.88
The required difference = 14.48 – 3.88 = Rs. 10.6
Hence, option A is correct.