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

DI Info Chart Quiz 7

Directions: Study the given information carefully to answer the questions.

Three friends, Chand, Chandni, and Chanchal went to a shopping centre. Each of them had Rs. 2500. In the shopping centre, the session sale discount was 10% on the marked price. Chandni and Chanchal were regular customers so they got 20% each an additional discount on the discounted price but Chand being a new customer didn't get any additional discount. Only Chanchal had a membership card of the shopping centre which gave an additional discount of 25% on the discounted price. They all like Juicers of xyz brand and they purchased one piece each of that brand. The marked price of each piece was same. In last, when they calculated then they found that Chandni had paid Rs. 360 more than that of Chanchal.

1. If all of them combine the money paid for Juicer then, the total money paid by them for three pieces of the juicers was what percentage of the total marked price of the three juicers?

- A. 62% B. 72% C. 78% D. 68% E. None of these

2. The amount paid by Chand for the juicer was how much more than that by Chanchal?

- A. 45% B. 50% C. 55.33% D. 66.67% E. None of these

3. What is the ratio of the amount paid by Chand to that by Chanchal?

- A. 9 : 7 B. 3 : 2 C. 6 : 5 D. 5 : 3 E. None of these

4. How much money was left with Chand after purchasing the juicer?

- A. Rs. 900 B. Rs. 500 C. Rs. 700 D. Rs. 750 E. None of these

5. What was the marked price of the juicer?

- A. Rs. 1800 B. Rs. 2400 C. Rs. 2000 D. Rs. 2150 E. None of these

Correct Answers:

1	2	3	4	5
B	D	D	C	C

Common explanation :

Let the marked price of juicer = $100x$

Then, The amount Chand paid = $(100 - 10)\%$ of $100x = 90\%$ of $100x = 90x$

The amount Chandni will pay = 90% of 80% of $100x = 72x$

The amount Chanchal will pay = 90% of 80% of 75% of $100x = 54x$

According to the question, $72x - 54x = 18x = 360$

$x = 20$

Answers :-

1. Total marked price of 3 juicers = $2000 \times 3 = 6000$
The total money paid by them = $90x + 72x + 54x = 216x = 4320$
The reqd. % = $\frac{4320 \times 100}{6000} = 72\%$

Hence, option B is correct.

2. The amount paid by Chand = $90x$
The amount paid by Chanchal = $54x$

$$\text{The reqd. \%} = \frac{(90x - 54x) \times 100}{54x} = \frac{36 \times 100}{54} = \frac{200}{3} = 66.67\%$$

Hence, option D is correct.

3. The amount paid by Chand = $90x$
The amount paid by Chanchal = $54x$
The required ratio = $90x : 54x = 5 : 3$
Hence, option D is correct.

4. The amount Chand paid = $(100 - 10)\%$ of $100x = 90\%$ of $100x = 90x = 90 \times 20 = 1800$
The money left with him = $2500 - 1800 = 700$
Hence, option C is correct.

5. $MP = 100X = 100 \times 20 = 2000$
Hence, option C is correct.



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