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# Date Interpretation Table Chart Questions for Bank Clerk Mains and PO Pre Exams.

## DI Table Chart Quiz 38

**Direction:** Study the following table carefully and answer the questions based on it.

There are five sellers Mohit, Mohan, Manoj, Meeta and Mansi. In the following table their profit percentage is given for five different items.

	Soap	Washing powder	Shampoo	Cream
Mohit	10%	20%	-	15%
Mohan	-	30%	5%	-
Manoj	12%	15%	-	20%
Meeta	-	-	12%	18%
Mansi	8%	-	10%	-

**Note:** Some values are missing. The cost price of a particular item is same for all the seller.

**1. After giving 8% discount Manoj earns Rs 165 by selling washing powder. If he wants to earn 20% profit, find the new discount %.**

- A. 8%      B. 10%      C. 4%      D. 2.5%      E. 2%

**2. The ratio of the cost price of soap and shampoo is 4 : 5 and total profit earned by Mansi after selling soap and shampoo is Rs 246. Find the total profit earned by Mohit after selling soap and cream if the cost price of cream is 20% more than the cost price of soap.**

- A. Rs 750      B. Rs 600      C. Rs 350      D. Rs 336      E. None of these

**3. The cost price of shampoo is Rs 1600 and the total profit earned by Mohit and Meeta after selling the shampoo is Rs 320. Find the ratio of the profit earned by Mohit and Meeta after selling the shampoo.**

- A. 1 : 3      B. 2 : 3      C. 5 : 6      D. 7 : 9      E. 4 : 5

**4. If the difference between the selling price of cream sold by Mohit and Meeta is Rs 36.9, find the cost price of cream.**

- A. Rs 1230      B. Rs 1540      C. Rs 1345      D. Rs 2150      E. None of these

**5. Average selling price of soap sold by Mohit and Mohan is Rs 1575 and by Mohan and Manoj is Rs 1589, find the profit % of Mohan.**

- A. 12%      B. 16%      C. 20%      D. 18%      E. None of these

**Correct Answers:**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
C	D	B	A	E

**Explanations:**

**1.** By selling washing powder Manoj earns Rs 165 that is 15%.

$$\text{CP of washing powder} = \frac{165}{15} \times 100 = 1100$$

$$\begin{aligned} \text{Selling price of washing powder} &= 1100 \times 115\% = \text{Rs } 1265 \text{ MP of washing powder} \\ &= \frac{1265}{92} \times 100 = \text{Rs } 1375 \end{aligned}$$

$$\text{New selling price} = 1100 \times 120\% = \text{Rs } 1320$$

$$\text{Discount \%} = \frac{1375 - 1320}{1375} \times 100$$

$$= \frac{55}{1375} \times 100 = 4\%$$

Hence, option C is correct.

**2.** Let Cost of soap =  $4x$ , Shampoo =  $5x$

$$4x \times 8\% + 5x \times 10\% = 246$$

$$32\% x + 50\% x = 246$$

$$82x = 24600$$

$$x = 300$$

$$\text{Cost price of soap} = \text{Rs } 1200, \text{ Cost price of shampoo} = \text{Rs } 1500$$

$$\text{Cost price of cream} = 1200 \times 120\% = \text{Rs } 1440$$

$$\text{Total profit earned by Mohit} = 1200 \times 10\% + 1440 \times 15\%$$

$$= 120 + 216 = \text{Rs } 336$$

Hence, option D is correct.

**3.** Let profit % earned by Mohit after selling Shampoo =  $x\%$

$$1600 \times x\% + 1600 \times 12\% = 320$$

$$16x + 192 = 320$$

$$16x = 320 - 192$$

$$16x = 128$$

$$x = 8$$

$$\text{Profit \%} = 8\%$$

$$\text{Ratio} = 1600 \times 8\% : 1600 \times 12\% = 2 : 3$$

Hence, option B is correct.



4. Let cost price of cream = Rs x

$$x \times 18\% - x \times 15\% = 36.9$$

$$x \times 3\% = 36.9$$

$$x = 36.9 \times \frac{100}{3}$$

$$x = 1230$$

Cost price of cream = Rs 1230

Hence, option A is correct.

5. Let the cost price of soap = Rs x, profit % of Mohan = y%

$$x \times 110\% + x \times (100 + y)\% = 1575 \times 2$$

$$110x + 100x + xy = 315000$$

$$xy = 315000 - 210x \quad \dots\dots 1$$

$$x \times (100 + y)\% + x \times 112\% = 1589 \times 2$$

$$100x + xy + 112x = 317800$$

$$xy = 317800 - 212x \quad \dots\dots 2$$

Equation 1 = Equation 2

$$315000 - 210x = 317800 - 212x$$

$$317800 - 315000 = 212x - 210x$$

$$2800 = 2x$$

$$x = 1400$$

Put the value of x in equation 1

$$1400 \times y = 315000 - 210 \times 1400$$

$$1400y = 315000 - 294000$$

$$1400y = 21000$$

$$y = 15$$

Profit % = 15%

Hence, option E is correct.





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