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Line Chart Questions for IBPS RRB Scale I Pre Exams – Line Chart Quiz at Smartkeeda.

DI Line Chart No 51

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

The line graph given below shows the number of sanitizer bottles sold by five different shops in two different weeks.

1. The number of sanitizer bottles sold by shop D in week 1 is what percent of the total number of sanitizer bottles sold by shop B and shop C in week 2?

A. 52% B. 56% C. 64% D. 68% E. 58%

2. If the selling price of one sanitizer bottle in shop A and D is Rs. 50 each and each shopkeeper earns 25%, then what is the difference between the profit earned by shop A and shop D in week 1?

A. Rs. 1400 B. Rs. 1650 C. Rs. 1800 D. Rs. 1200 E. Rs. 1050

3. If the number of sanitizer bottles sold by shop F in week 1 is 40% more than the number of sanitizer bottles sold by shop A in week 2 and the total sanitizer bottles sold by shop F in week 1 and week 2 together is 1310, what is the number of sanitizer bottles sold by shop F in week 2?

A. 526 B. 576 C. 624 D. 475 E. None of these

4. What is the difference between the total number of Sanitizer bottles sold by Shop B in week 1 and week 2 together and the total number of Sanitizer bottles sold by Shop D in week 1 and week 2 together?

A. 270 B. 240 C. 140 D. 190 E. 300

5. What is the average of the number of sanitizer bottles sold by shop C in week 1, Shop B in week 2 and Shop D in week 2?

A. 780 B. 800 C. 840 D. 760 E. 820

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Correct Answers:

1	2	3	4	5
B	D	A	C	D

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Explanations:

1.

Total number of sanitizer bottles sold by shop B and shop C in week 2 = 820 + 680 = 1500

Reqd. % = $\frac{840}{1500} \times 100 = 56\%$

Hence, option B is correct.

2.

Smart Approach:

Selling price = Rs 50

Cost price = $\frac{50}{125} \times 100 =$ Rs 40

Profit = 50 – 40 = Rs 10

Required difference = (Difference between the number of bottles sold by A and D) x Profit on each bottle

= (840 – 720) x 10 = Rs 1200

Hence, option D is correct.

Traditional Approach:

Selling price = Rs 50

Cost price = $\frac{50}{125} \times 100 =$ Rs 40

Profit = 50 – 40 = Rs 10

Profit earned by shop A in week 1 = 720 × 10 = Rs 7200

Profit earned by shop D in week 1 = 840 × 10 = Rs 8400

Required difference = 8400 – 7200 = Rs 1200

Hence, option D is correct.

3.

Number of sanitizer bottles sold by shop F in week 1 = 560 × 140% = 784

Number of sanitizer bottles sold by shop F in week 2 = 1310 – 784 = 526

Hence, option A is correct.

4.

Total number of Sanitizer bottles sold by Shop B in week 1 and week 2 together = 640 + 820 = 1460

Total number of Sanitizer bottles sold by Shop D in week 1 and week 2 together = 840 + 760 = 1600

Required difference = 1600 – 1460 = 140

Hence, option C is correct.

5.

Total of the number of sanitizer bottles sold by shop C in week 1, Shop B in week 2 and Shop D in week 2 = 700 + 820 + 760 = 2280

Reqd. average = $\frac{2280}{3}$ = 760

Hence, option D is correct.

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