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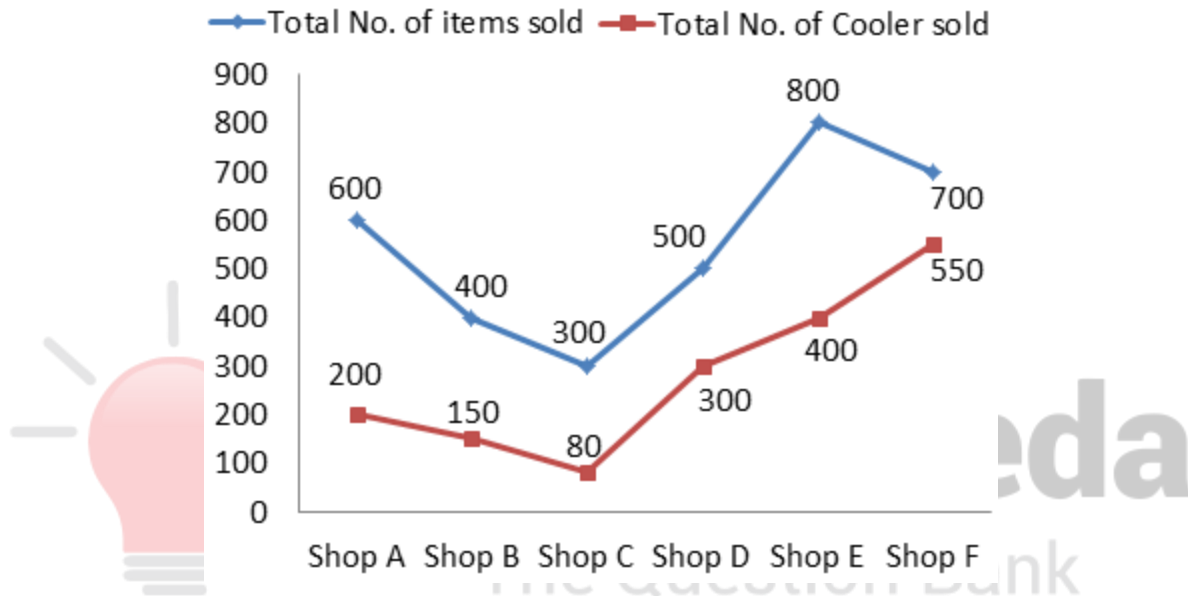
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# DI Mixed Chart Questions for SBI Clerk Mains, IBPS Clerk Mains, RBI Assistant Mains, LIC AAO, SBI PO Pre and IBPS PO Pre Exams.

## DI Mixed Chart No. 70

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

The following line graph shows the total number of items sold by different shops from January to June 2019.



The following table shows the ratio of defective Cooler sold to the defective AC sold

Shops	Cooler : AC
Shop A	2 : 1
Shop B	5 : 6
Shop C	1 : 2
Shop D	4 : 1
Shop E	1 : 1
Shop F	3 : 1

**Note:** The total number of items = Cooler + AC + Others

1. In shop A, the ratio of total number of AC sold to that of the total number of Others items sold is 1 : 3 and the total number of non-defective AC sold by shop A is 40, then find the total number of defective Coolers sold by shop A?
- A. 50                      B. 120                      C. 130                      D. 140                      E.160
2. If the total number of Others items sold by shop B and shop C together is 180, then find the difference between the total number of AC sold by shop B and shop C together to that of the total number of Coolers sold by shop E and shop F together?
- A. 660                      B. 720                      C. 740                      D. 680                      E. 590
3. The total number of defective AC sold by shop D is "X" and the total number of Others items sold by shop D is "4X". If the total number of non-defective Coolers sold by shop D is 220, then find the value of "4X".
- A. 100                      B. 80                      C. 60                      D. 120                      E. 40
4. If in shop F, 10% of the Others items were sold out of the total number of items sold. The total number of AC sold by shop F is equal to the total number of Others items sold by Shop C, then the total number of AC sold by shop C is what percentage of the total number of Coolers sold by shop C?
- A. 225%                      B. 150%                      C. 100%                      D. 175%                      E. 115%
5. If the average number of AC sold by all shops is 140, then find the difference between the total number of Coolers sold by all shops together to that of the total number of Others items sold by all shops together?
- A. 850                      B. 950                      C. 900                      D. 1100                      E. 1050

**Correct Answers:**

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

## Explanations :

1. In Shop A,

The total number of items sold = 600

The total number of Coolers sold = 200

The total number of AC and Others items sold =  $600 - 200 = 400$

The ratio of total number of AC sold to that of the total number of others items sold is 1 : 3 (Given).

$$\text{The total number of AC sold} = \frac{400}{1+3} \times 1 = 100$$

The total number of non-defective AC sold = 40 (Given)

The total number of defective AC sold =  $100 - 40 = 60$

From the table,

Ratio of the total number of defective Coolers to that of the total number of defective AC sold = 2 : 1

So, the total number of defective Coolers sold

$$= \frac{60}{1} \times 2 = 120$$

Hence, option C is correct.

2. The total number of items sold by shop B and shop C together =  $(400 + 300) = 700$

The total number of Coolers sold by shop B and shop C together =  $(150 + 80) = 230$

The total number of Others items sold by shop B and shop C together = 180

The total number of AC sold by shop B and shop C together =  $[700 - (230 + 180)] = (700 - 410) = 290$

The total number of Coolers sold by shop E and shop F together =  $(400 + 550) = 950$

So, required difference =  $(950 - 290) = 660$

Hence, option A is correct.

3. In shop D,

The total number of items sold = 500

The total number of Coolers sold = 300

The total number of non-defective Coolers sold = 220

The total number of defective Coolers sold =  $(300 - 220) = 80$

So, the total number of defective AC sold

$$= \frac{80}{4} \times 1 = 20$$

So,  $X = 20$

Then  $4X = 4 \times 20 = 80$

Hence, option B is correct.

4. The total number of items sold by shop F = 700

The total number of Others items sold by shop F

$$= \frac{700}{10} \times 10 = 70$$

The total number of Coolers items sold by shop F = 550

The total number of AC sold by shop F =  $700 - (550 + 70) = 80$

Then according to the question,

The total number of Others items sold by Shop C = 80

The total number of items sold by shop C = 300

The total number of Coolers sold by shop C = 80

The total number of AC sold by shop C =  $300 - (80 + 80) = 140$

$$\text{So, Reqd. \%} = \frac{140}{80} \times 100 = 175\%$$

Hence, option D is correct.



5. The total number of AC sold by all shops =  $140 \times 6 = 840$

The total number of items sold by all shops =  $(600 + 400 + 300 + 500 + 800 + 700) = 3300$

The total number of Coolers sold by all shops =  $(200 + 150 + 80 + 300 + 400 + 550) = 1680$

The total number of Other items sold by all shops =  $[3300 - (1680 + 840)] = (3300 - 2520) = 780$

So, required difference =  $(1680 - 780) = 900$

Hence, option C is correct.



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