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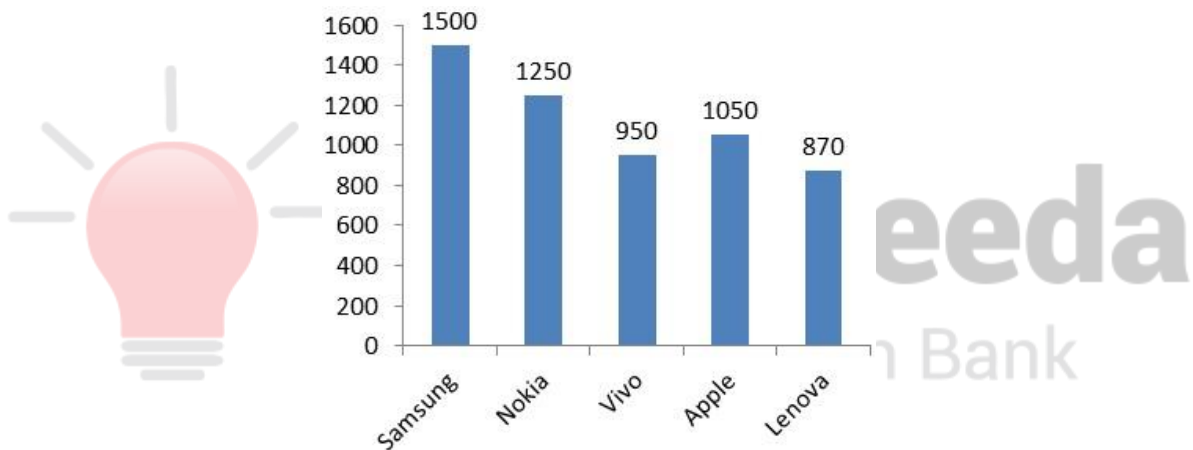
DI Mixed Chart Questions for SBI Clerk Pre, IBPS Clerk Pre, LIC Assistant Pre, RBI Assistant Pre and IBPS RRB Assistant Pre Exams.

DI Mixed Chart No. 89

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

The given bar graph shows the number of Bluetooth speakers produced by 5 different brands in the year 2020. The table graph shows the percentage of defective Bluetooth speakers produced by each brand in 2020.

Bluetooth speakers produced



Brand	Percentage of Defective Bluetooth speakers
Samsung	10%
Nokia	12%
Vivo	10%
Apple	30%
Lenova	20%

1. Find the ratio of the number of defective Vivo Bluetooth speakers to the number of defective Apple defective speakers produced in 2020?

- A. 21 : 67 B. 19 : 63 C. 14 : 67 D. 13 : 45 E. 17 : 61

2. Find the number of non-defective Bluetooth speakers produced by Lenova?

- A. 696 B. 689 C. 656 D. 678 E. None of these

3. Find the difference between the numbers of defective Bluetooth speakers produced by Samsung and that by Nokia?

- A. 34 B. 54 C. 65 D. 42 E. None of these

4. Find the average of the number of Bluetooth speakers produced by Vivo, Nokia and Lenova?

- A. 1123.4 B. 1212.43 C. 1023.33 D. 1312.44 E. 1132.33

5. The number of Bluetooth speakers produced by Lenova is how much percent less than the number of Bluetooth speakers produced by Nokia?

- A. 45.5% B. 56.4% C. 34.5% D. 30.4% E. 23.40%

Correct Answers:



1	2	3	4	5
B	A	E	C	D

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Explanation :

1. Defective Bluetooth speakers of Vivo

$$= 950 \times \frac{10}{100}$$

Defective Bluetooth speakers of Apple

$$= 1050 \times \frac{30}{100}$$

$$\text{Reqd. ratio} = \frac{950 \times 10}{1050 \times 30} = 19 : 63$$

Hence, option B is correct.

2. Bluetooth speakers produced by Lenova = 870

Non-defective Bluetooth speakers produced by Lenova

$$= 870 \times \frac{80}{100} = 87 \times 8 = 696$$

Hence, option A is correct.

3. Defective Bluetooth speakers produced by Samsung

$$= 1500 \times \frac{10}{100} = 150$$

Defective Bluetooth speakers produced by Nokia

$$= 1250 \times \frac{12}{100} = 150$$

Difference = 0

Hence, option E is correct.

4. Bluetooth speakers produced by Vivo = 950

Bluetooth speakers produced by Nokia = 1250

Bluetooth speakers produced by Lenova = 870

$$\text{Average} = \frac{950 + 1250 + 870}{3} = \frac{3070}{3} = 1023.33$$

Hence, option C is correct.

5. Bluetooth speakers produced by Lenova = 870

Bluetooth speakers produced by Nokia = 1250

$$\text{Reqd. \%} = \frac{1250 - 870}{1250} \times 100$$

$$= \frac{380 \times 100}{1250} = 30.4\%$$

Hence, option D is correct.



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