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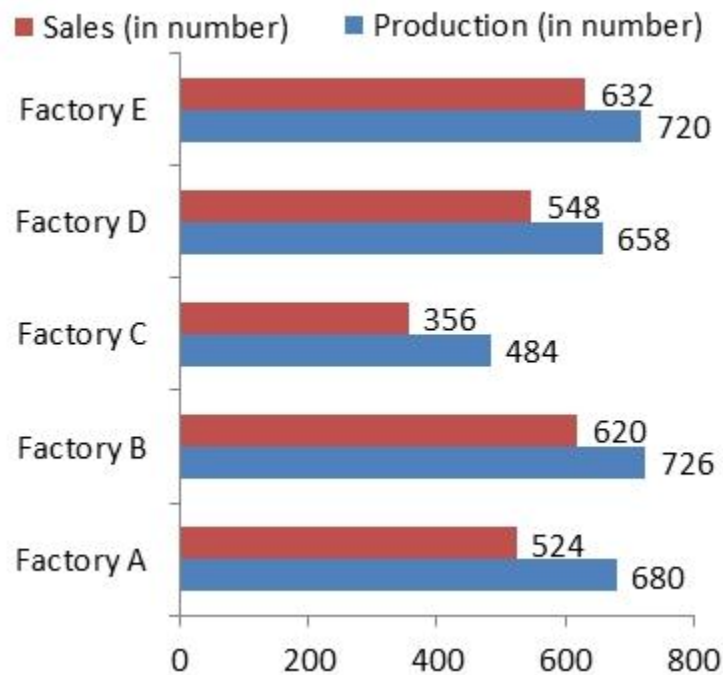
Date Interpretation Bar Graph Questions for SBI Clerk Pre, IBPS Clerk Pre and IBPS RRB Exams.

DI Bar Chart Quiz 43

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

The bar graph below shows the production (in numbers) and sales (in numbers) of refrigerators by five different factories in a month.

Note: Inventory (in numbers) = Production (in numbers) – Sales (in numbers)



- Find the total number of refrigerators produced by all the given factories in a month.
A. 3156 B. 3268 C. 3376 D. 3298 E. None of these
- For which factory, the percentage sales is maximum with respect to the production?
A. Factory A B. Factory B C. Factory C D. Factory D E. Factory E
- Find the ratio of the total sales (in number) of the factory A, C and D together to the total sales (in number) of the factory B and E together.
A. 351 : 313 B. 119 : 112 C. 257 : 213 D. 357 : 313 E. None of these

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4. For which factory, the inventory (in numbers) is the second highest?

- A. Factory A B. Factory B C. Factory C D. Factory D E. Factory E

5. If 5% and 1.25% of the refrigerators produced by factory A and factory E respectively is found to be defective, then find the percentage of non-defective refrigerators produced by factory A and E together with respect to the total refrigerators produced by all the given factories.

- A. 37.4% B. 49.3% C. 45.7% D. 43.8% E. None of these

Correct Answers:

1	2	3	4	5
B	E	D	C	E

Explanations:

1. Required total number of refrigerators produced by all the given factories = $680 + 726 + 484 + 658 + 720 = 3268$

Hence, option B is correct.

2.

$$\text{Factory A} = \frac{524}{680} \times 100 = 77\%$$

$$\text{Factory B} = \frac{620}{726} \times 100 = 85.4\%$$

$$\text{Factory C} = \frac{356}{484} \times 100 = 73.5\%$$

$$\text{Factory D} = \frac{548}{658} \times 100 = 83\%$$

$$\text{Factory E} = \frac{632}{720} \times 100 = 88\%$$

Hence, option E is correct.

3. Required ratio = $(524 + 356 + 548) : (620 + 632) = 1428 : 1252 = 357 : 313$

Hence, option D is correct.

4. Factory A = $680 - 524 = 156$

Factory B = $726 - 620 = 106$

Factory C = $484 - 356 = 128$ (second highest)

Factory D = $658 - 548 = 110$

Factory E = $720 - 632 = 88$

Hence, option C is correct.

5. Number of defective refrigerators produced by factory A and factory E together = $0.05 \times 680 + 0.0125 \times 720 = 34 + 9 = 43$

So, number of non-defective refrigerators produced by factory A and factory E together = $680 + 720 - 43 = 1357$

Reqd. % = $\frac{1357}{3268} \times 100 = 41.5\%$

Hence, option E is correct.

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