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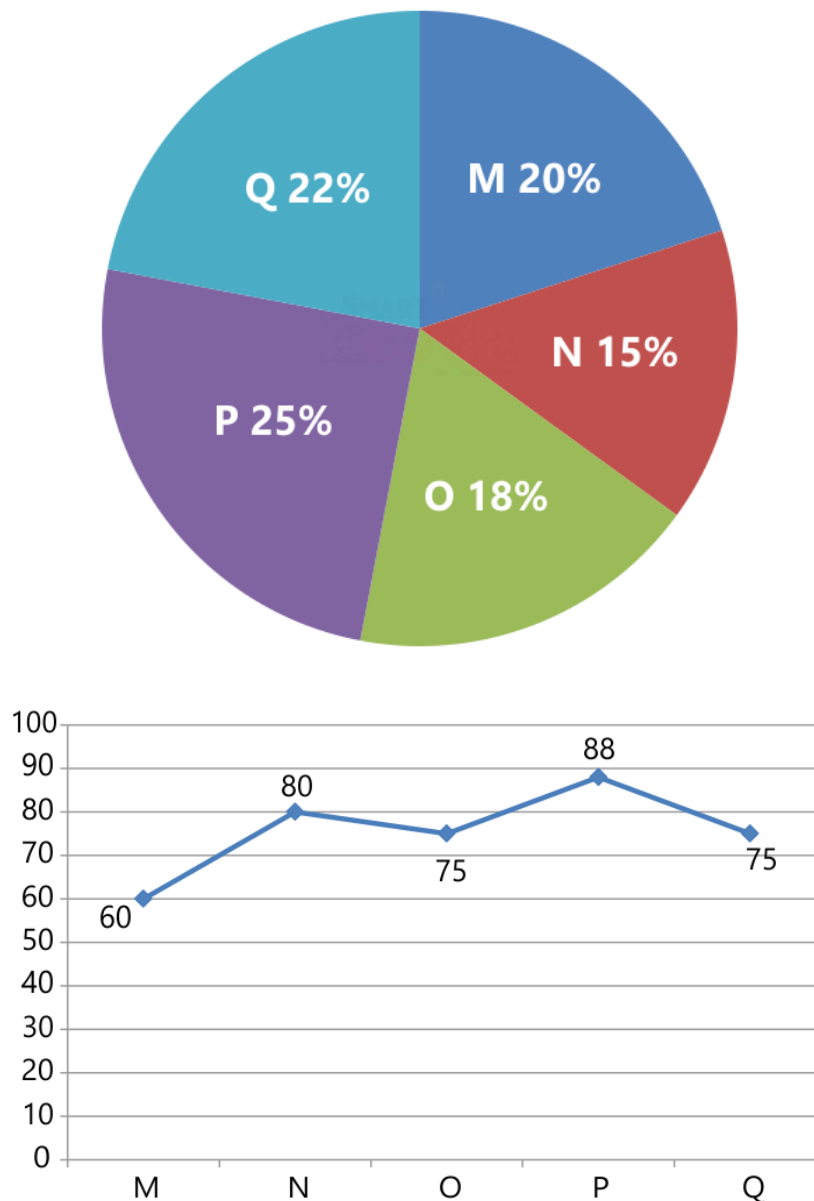
Date Interpretation Mixed Chart Questions Quiz for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains, IBPS Clerk Mains and IBPS RRB Exams.

Data Interpretation Mixed Chart Quiz 17

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

Pie chart shows the production of rice by 5 different factories and line chart shows the percentage of sale.

Total production = 3600 kg



1. In which of the following factory the sale of rice is the highest?

- A. Factory P B. Factory Q C. Factory M D. Factory O E. Factory N

2. Rice sold by factory M and N together is how much percent more than the production of rice by factory M?

- A. 30% B. 45% C. 10% D. 20% E. None of these

3. If the cost price of rice is Rs 45 per kg and profit earned by factory Q on 1 kg rice is 20% of the cost price, find the total profit earned by factory Q.

- A. Rs 4326 B. Rs 5256 C. Rs 5346 D. Rs 5697 E. None of these

4. What is the ratio of rice sold by factory P and Q together to the rice sold by factory N and O together?

- A. 71 : 54 B. 77 : 51 C. 25 : 29 D. 69 : 47 E. 51 : 77

5. What percent of total rice has been sold by all the factory?

- A. 55% B. 66% C. 76% D. 50% E. None of these

Correct Answers:

1	2	3	4	5
A	D	C	B	C

Explanations:

1. Sale of rice by factory M = $3600 \times 20\% \times 60\% = 432$ kg

Sale of rice by factory N = $3600 \times 15\% \times 80\% = 432$ kg

Sale of rice by factory O = $3600 \times 18\% \times 75\% = 486$ kg

Sale of rice by factory P = $3600 \times 25\% \times 88\% = 792$ kg

Sale of rice by factory Q = $3600 \times 22\% \times 75\% = 594$ kg

Sale of rice of factory P is the highest.

Hence, option A is correct.

- 2.** Rice sold by factory M = $3600 \times 20\% \times 60\% = 432$ kg
Rice sold by factory N = $3600 \times 15\% \times 80\% = 432$ kg
Production of rice by factory M = $3600 \times 20\% = 720$ kg

$$\% \text{ more} = \frac{432 + 432 - 720}{720} \times 100$$

$$= \frac{144}{720} \times 100 = 20\%$$

Hence, option D is correct.

- 3.** Rice sold by factory Q = $3600 \times 22\% \times 75\% = 594$ kg
Profit on 1 kg rice = $45 \times 20\% = \text{Rs } 9$
Total profit = $9 \times 594 = \text{Rs } 5346$

Hence, option C is correct.

- 4.** Rice sold by factory P = $3600 \times 25\% \times 88\% = 792$ kg
Rice sold by factory Q = $3600 \times 22\% \times 75\% = 594$ kg
Rice sold by factory N = $3600 \times 15\% \times 80\% = 432$ kg
Rice sold by factory O = $3600 \times 18\% \times 75\% = 486$ kg

$$\text{Reqd. Ratio} = 792 + 594 : 432 + 486$$

$$= 1386 : 918 = 77 : 51$$

Hence, option B is correct.

- 5.** Sale of rice by factory M = $3600 \times 20\% \times 60\% = 432$ kg
Sale of rice by factory N = $3600 \times 15\% \times 80\% = 432$ kg
Sale of rice by factory O = $3600 \times 18\% \times 75\% = 486$ kg
Sale of rice by factory P = $3600 \times 25\% \times 88\% = 792$ kg
Sale of rice by factory Q = $3600 \times 22\% \times 75\% = 594$ kg
Total sale = $432 + 432 + 486 + 792 + 594 = 2736$ kg

$$\text{Required \%} = \frac{2736}{3600} \times 100 = 76\%$$

Hence, option C is correct.



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