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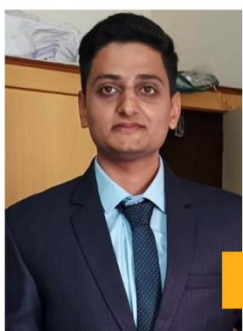
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DI Mixed Chart Questions for RBI Assistant Mains, IBPS Clerk Mains and SBI Clerk Mains Exams.

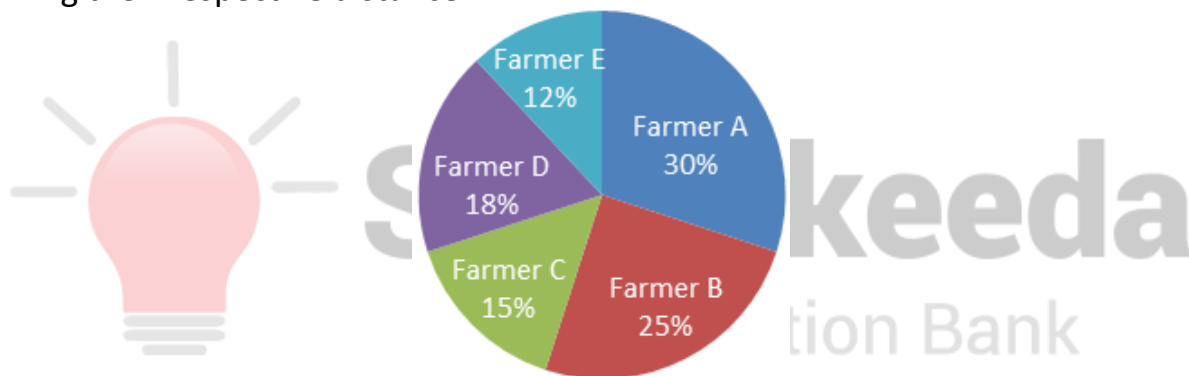
DI Mixed Chart No. 87

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

The pie chart below represents the percentage distribution of the quantity of wheat (in Quintals) sold by five different farmers in March out of the total quantity of wheat sold by all the five farmers together.

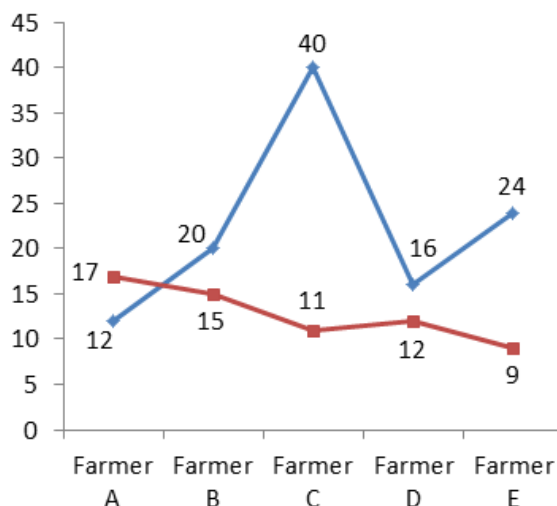
Percentage distribution of quantity of wheat sold (in quintal) in March

The chart given below shows the time the finisher of each team would take to complete the 400m race alone as a percent of the time taken by his team when both starter and finisher are running their respective distance.



The line chart below represents the percentage increase in the quantity of wheat sold (in quintals) in April with respect to March, and total quantity of wheat produced (in hundred quintals) in March and April together. Difference between quantity of wheat sold by farmer B in March and April is 125 quintals.

◆ Percentage increase in quantity of wheat sold in April
■ Total quantity of wheat produced (in hundred quintal) in March and April together



1. Find the ratio of the quantity of wheat sold by farmer A in April to the quantity of wheat sold by farmer B in the same month.
A. 14 : 11 B. 28 : 25 C. 22 : 19 D. 26 : 21 E. 17 : 12
2. Find the difference between unsold quantity of wheat of farmer D in March and April together, and the unsold quantity of farmer E in the same months together.
A. 24 quintals B. 6 quintals C. 18 quintals D. 12 quintals E. None of these
3. Total quantity of wheat sold by farmer C in April is what percentage more than the total quantity of wheat sold by farmer E in March?
A. 75% B. 80% C. 50% D. 60% E. 65%
4. Selling price of one quintal of wheat in March and in April is Rs. 120 and Rs. 160, respectively. Find the difference between the revenue generated by farmer A in March and that in April.
A. Rs. 40200 B. Rs. 42600 C. Rs. 46800 D. Rs. 44400 E. Rs. 32800
5. Find the unsold quantity of wheat in March and April together by all the farmers together.
A. 841 quintals B. 872 quintals C. 891 quintals D. 826 quintals E. 862 quintals

Correct Answers:

1	2	3	4	5
B	E	A	D	C



Common explanation :

Let the quantity of wheat sold by all the farmers together in March be 'x' quintals

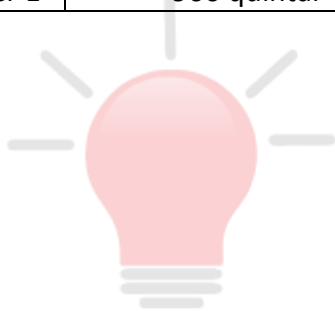
Then, quantity of wheat sold by farmer B in March = $0.25x$ quintals

And, quantity of wheat sold by farmer B in April = $1.2 \times 0.25x = 0.3x$ quintals

So, $0.3x - 0.25x = 125$

$0.05x = 125$; $x = 2500$ quintals

	Total quantity of wheat produced in March and April together	Quantity of wheat sold in March	Quantity of wheat sold in April
Farmer A	1700 quintal	30% of 2500 = 750 quintal	$1.12 \times 750 = 840$ quintal
Farmer B	1500 quintal	25% of 2500 = 625 quintal	$1.2 \times 625 = 750$ quintal
Farmer C	1100 quintal	15% of 2500 = 375 quintal	$1.4 \times 375 = 525$ quintal
Farmer D	1200 quintal	18% of 2500 = 450 quintal	$1.16 \times 450 = 522$ quintal
Farmer E	900 quintal	12% of 2500 = 300 quintal	$1.24 \times 300 = 372$ quintal



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Answers :

1. Following the common explanation, we get

$$\text{Required ratio} = 840 : 750 = 28 : 25$$

Hence, option B is correct.

2. Following the common explanation, we get

Unsold quantity of wheat of farmer D in March and April together = $1200 - (450 + 522) = 228$ quintals

Unsold quantity of wheat of farmer E in March and April together = $900 - (300 + 372) = 228$ quintals

$$\text{Required difference} = 228 - 228 = 0$$

Hence, option E is correct.

3. Following the common explanation, we get

$$\text{Reqd. \%} = \frac{525 - 300}{300} \times 100 = 75\%$$

Hence, option A is correct.

4. Following the common explanation, we get

$$\text{Revenue generated by farmer A in March} = 750 \times 120 = \text{Rs. } 90000$$

$$\text{Revenue generated by farmer A in April} = 840 \times 160 = \text{Rs. } 134400$$

$$\text{Required difference} = \text{Rs. } (134400 - 90000) = \text{Rs. } 44400$$

Hence, option D is correct.

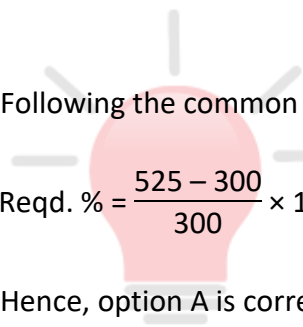
5. Following the common explanation, we get

Total quantity of wheat sold in March and April together = $2500 + 840 + 750 + 525 + 522 + 372 = 5509$ quintals

Total quantity of wheat produced in March and April together = $1700 + 1500 + 1100 + 1200 + 900 = 6400$ quintals

$$\text{Required unsold quantity of wheat} = 6400 - 5509 = 891 \text{ quintals}$$

Hence, option C is correct.





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