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

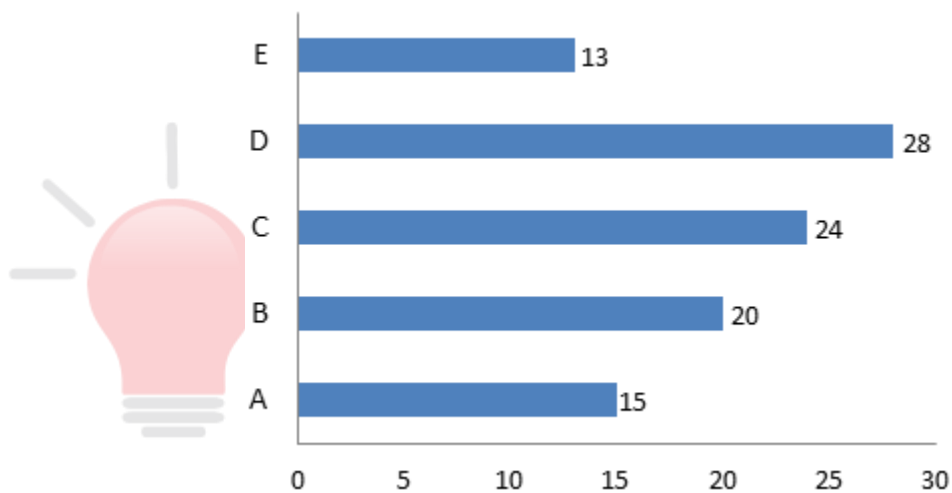
DI Bar Chart Quiz 54

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

The bar graph given below shows the percentage distribution of the number of books of different types (A, B, C, D and E) sold by a book shop in the year 2015.

Note : The difference between the type A books sold and type E books sold by the shop in year 2015 = 84

Percentage sale of books of different types by a shop in year 2015



1. Find the ratio of the number of type B books sold to the type C books sold in a year by the shop.

- A. 3 : 4 B. 4 : 5 C. 5 : 6 D. 7 : 5 E. None of these

2. Find the average number of type D books sold in each month by the shop.

- A. 98 B. 95 C. 96 D. 102 E. 94

3. The number of type B books sold in 2016 was 15% less than that of previous year. Find the number of type B books sold in 2016 by the shop.

- A. 714 B. 708 C. 724 D. 728 E. 736

4. The number of type A books sold in 2015 is what percent less than the number of type B sold in 2015?

- A. 33.33% B. 20% C. 25% D. 40% E. None of these

5. Find the average number of books sold of each type in the year 2015.

- A. 740 B. 720 C. 750 D. 860 E. None of these

Correct Answers:

1	2	3	4	5
C	A	A	C	E



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Answers :

1. Let the total books sold in a year be 'x'

$$\text{So, } 0.15x - 0.13x = 84$$

$$x = 4200$$

Type of Book	Number of books sold in a year
A	15% of 4200 = 630
B	20% of 4200 = 840
C	24% of 4200 = 1008
D	28% of 4200 = 1176
E	13% of 4200 = 546

So, required ratio = 840 : 1008 = 5 : 6

Hence, option C is correct.

2. Let the total books sold in a year be 'x'

$$\text{So, } 0.15x - 0.13x = 84$$

$$x = 4200$$

Type of Book	Number of books sold in a year
A	15% of 4200 = 630
B	20% of 4200 = 840
C	24% of 4200 = 1008
D	28% of 4200 = 1176
E	13% of 4200 = 546

$$\text{So, reqd. average} = \frac{1176}{12} = 98$$

Hence, option A is correct.

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3. Let the total books sold in a year be 'x'

$$\text{So, } 0.15x - 0.13x = 84$$

$$x = 4200$$

Type of Book	Number of books sold in a year
A	15% of 4200 = 630
B	20% of 4200 = 840
C	24% of 4200 = 1008
D	28% of 4200 = 1176
E	13% of 4200 = 546

So, required number of type B books sold in 2016 by the shop = 85% of 840 = 714

Hence, option A is correct.

4. Let the total books sold in a year be 'x'

$$\text{So, } 0.15x - 0.13x = 84$$

$$x = 4200$$

Type of Book	Number of books sold in a year
A	15% of 4200 = 630
B	20% of 4200 = 840
C	24% of 4200 = 1008
D	28% of 4200 = 1176
E	13% of 4200 = 546

$$\text{So, reqd. percentage} = \frac{840 - 630}{840} \times 100 = 25\%$$

Hence, option C is correct.

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5. Let the total books sold in a year be 'x'

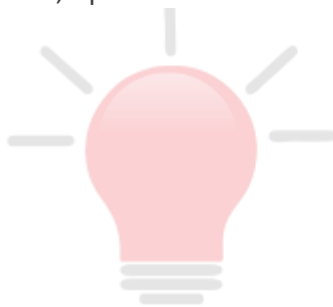
$$\text{So, } 0.15x - 0.13x = 84$$

$$x = 4200$$

Type of Book	Number of books sold in a year
A	15% of 4200 = 630
B	20% of 4200 = 840
C	24% of 4200 = 1008
D	28% of 4200 = 1176
E	13% of 4200 = 546

$$\text{So, reqd. average} = \frac{4200}{5} = 840$$

Hence, option E is correct.



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