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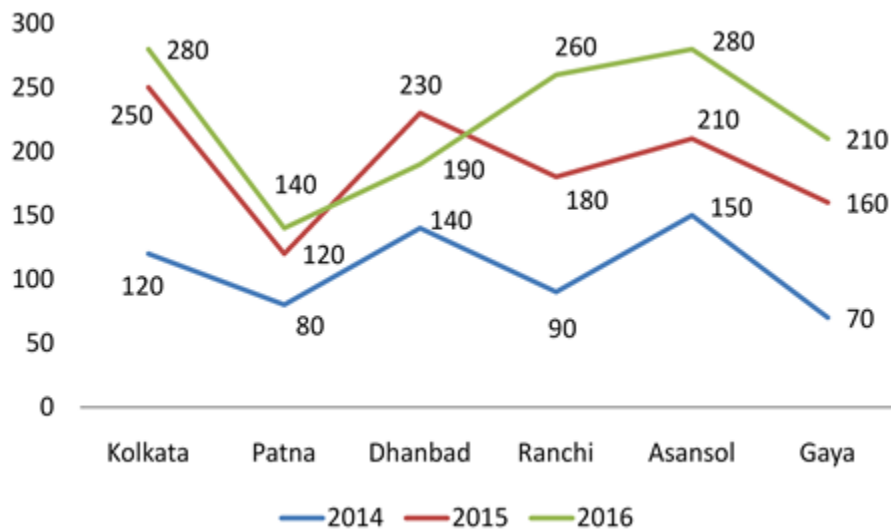
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Date Interpretation Line Chart Questions for Bank PO Pre and Clerk Mains Exams.

DI Line Chart Quiz 16

Direction : Study the following line graph carefully to answer the questions that follow.

The given Line graph Data Interpretation Chart shows the sales of shoes (in thousands) from six stores in six different cities Kolkata, Patna, Dhanbad, Ranchi, Asansol, and Gaya during three consecutive years 2014, 2015 and 2016.



1. What is the ratio of the total sales of Patna store for three years to the total sales of Asansol store for three years?

- A. 33 : 17 B. 17 : 33 C. 32 : 17 D. 17 : 32 E. None of these

2. Total number of Campus shoes sales on Gaya store and Patna store together for three years is what percent of the total sales of Dhanbad store and Ranchi store together for three years?

- A. 71.55% B. 72.75% C. 72.25% D. 73.25% E. None of these

3. What percent of the average sales of Campus shoes on Kolkata store, Patna store and Dhanbad store in 2014 is the average sale of Campus shoes on Ranchi store, Asansol store and Gaya store in 2015?

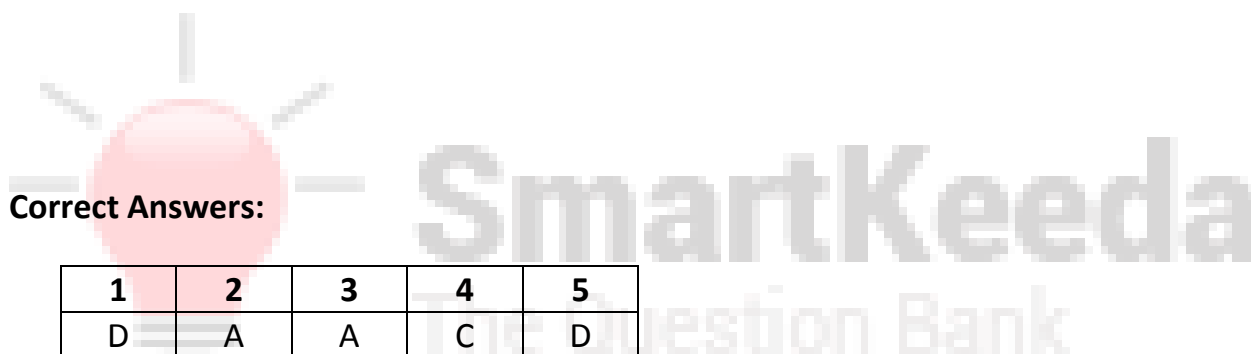
- A. 61.81% B. 62.23% C. 62.81% D. 63.43% E. None of these

4. What is the ratio of average sales of Campus shoes of all the stores for the year 2014 to average sales of Campus shoes of all the stores for the year 2015?

- A. 23 : 14 B. 14 : 23 C. 13 : 23 D. 23 : 13 E. None of these

5. What is the total number of Campus shoes sales of store Kolkata, store Patna and store Ranchi together for three years?

- A. 1550 B. 540 C. 1530 D. 1520 E. None of these



Correct Answers:

1	2	3	4	5
D	A	A	C	D

Explanations:

1. Number of Campus shoes sales on Patna store in 2014 = 80
Number of Campus shoes sales on Patna store in 2015 = 120
Number of Campus shoes sales on Patna store in 2015 = 140
Total numbers of Campus shoes sales on Patna store in these three years = 80 + 120 + 140 = 340
Number of Campus shoes sales on Asansol store in 2014 = 150
Number of Campus shoes sales on Asansol store in 2015 = 210
Number of Campus shoes sales on Asansol store in 2015 = 280
Total numbers of Campus shoes sales on Asansol store in these three years = 150 + 210 + 280 = 640
Hence, required ratio = $\frac{340}{640} = 17 : 32$
Therefore, option (D) is correct.

2. Number of Campus shoes sales on Gaya store in 2014 = 70

Number of Campus shoes sales on Gaya store in 2015 = 160

Number of Campus shoes sales on Gaya store in 2016 = 210

Number of Campus shoes sales on Patna store in 2014 = 80

Number of Campus shoes sales on Patna store in 2015 = 120

Number of Campus shoes sales on Patna store in 2016 = 140

Total number of Campus shoes sales on Gaya store and Patna store together for three years = $(70 + 160 + 210 + 80 + 120 + 140) = 780$

Number of Campus shoes sales on Dhanbad store in 2014 = 140

Number of Campus shoes sales on Dhanbad store in 2015 = 230

Number of Campus shoes sales on Dhanbad store in 2016 = 190

Number of Campus shoes sales on Ranchi store in 2014 = 90

Number of Campus shoes sales on Ranchi store in 2015 = 180

Number of Campus shoes sales on Ranchi store in 2016 = 260

Total number of Campus shoes sales on Dhanbad store and Ranchi store together for three years = $(140 + 230 + 190 + 90 + 180 + 260) = 1090$

Hence, required percentage = $\frac{780}{1090} \times 100 = 71.55\%$

Therefore, option (A) is correct.

3. Number of Campus shoes sales on Kolkata store in 2014 = 120

Number of Campus shoes sales on Patna store in 2014 = 80

Number of Campus shoes sales on Dhanbad store in 2014 = 140

Total number of Campus shoes sales on Kolkata store, Patna store and Dhanbad store in 2014 = $(120 + 80 + 140) = 340$

Average of Campus shoes sales on Kolkata store, Patna store and Dhanbad store in 2014 = $\frac{340}{3} = 113.33$

Number of Campus shoes sales on Ranchi store in 2015 = 180

Number of Campus shoes sales on Asansol store in 2015 = 210

Number of Campus shoes sales on Gaya store in 2015 = 160

Total number of Campus shoes sales on Ranchi store, Asansol store and Gaya store in 2015 = $(180 + 210 + 160) = 550$

Average of Campus shoes sales on Ranchi store, Asansol store and Gaya store in 2015 = $\frac{550}{3} = 183.33$

Hence, required percentage = $\frac{113.33}{183.33} \times 100 = 61.81\%$

Therefore, option (A) is correct.

4. Number of Campus shoes sales on Kolkata store in 2014 = 120

Number of Campus shoes sales on Patna store in 2014 = 80

Number of Campus shoes sales on Dhanbad store in 2014 = 140

Number of Campus shoes sales on Ranchi store in 2014 = 90

Number of Campus shoes sales on Asansol store in 2014 = 150

Number of Campus shoes sales on Gaya store in 2014 = 70

Average sales of Campus shoes of all the stores for the year 2014 = $\frac{120 + 80 + 140 + 90 + 150 + 70}{6} = \frac{650}{6}$

Number of Campus shoes sales on Kolkata store in 2015 = 250

Number of Campus shoes sales on Patna store in 2015 = 120

Number of Campus shoes sales on Dhanbad store in 2015 = 230

Number of Campus shoes sales on Ranchi store in 2015 = 180

Number of Campus shoes sales on Asansol store in 2015 = 210

Number of Campus shoes sales on Gaya store in 2015 = 160

Average sales of Campus shoes of all the stores for the year 2015 = $\frac{250 + 120 + 230 + 180 + 210 + 160}{6} = \frac{1150}{6}$

Hence, required ratio = $\frac{\frac{650}{6}}{\frac{1150}{6}} = 13 : 23$

Therefore, option (C) is correct.

5. Number of Campus shoes sales on Kolkata store in 2014 = 120

Number of Campus shoes sales on Kolkata store in 2015 = 250

Number of Campus shoes sales on Kolkata store in 2016 = 280

Number of Campus shoes sales on Patna store in 2014 = 80

Number of Campus shoes sales on Patna store in 2015 = 120

Number of Campus shoes sales on Patna store in 2016 = 140

Number of Campus shoes sales on Ranchi store in 2014 = 90

Number of Campus shoes sales on Ranchi store in 2015 = 180

Number of Campus shoes sales on Ranchi store in 2016 = 260

Hence, Total number of Campus shoes sales of Kolkata store, Patna store and Ranchi store together for three years = $(120 + 250 + 280 + 80 + 120 + 140 + 90 + 180 + 260) = 1520$

Therefore, option (D) is correct.



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