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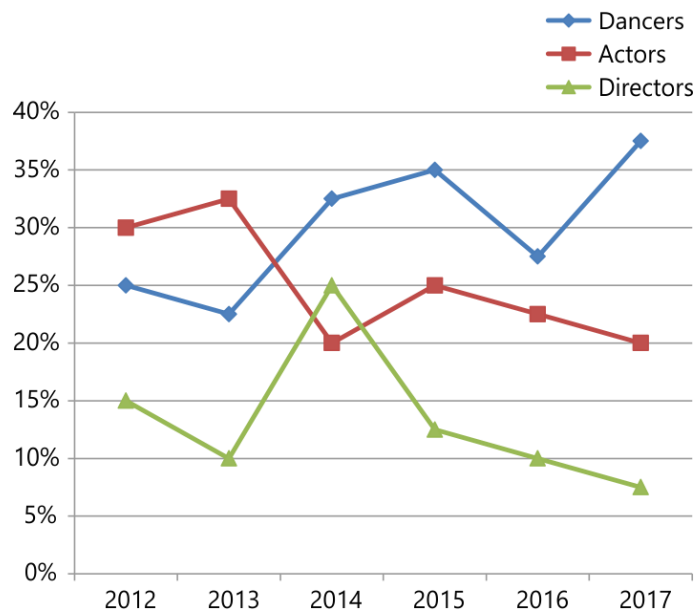
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Date Interpretation Mixed Chart Questions Quiz for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains, IBPS Clerk Mains and IBPS RRB Exams.

Data Interpretation Mixed Chart Quiz 13

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

The line graph shows the percentage of Dancers, Actors, and Directors who like cars and are from Tiripura and the table shows the total number of Dancers, Actors, and Directors living in Tiripura.



Total number of Dancers, Actors, and Directors over the years in Tiripura

Year	Dancers	Actors	Directors
2011	4500	3000	1500
2012	5700	4600	2100
2013	6300	6000	1200
2014	6600	5400	1600
2015	4000	6800	2000
2016	7800	7500	4500

1. Find the total number of directors who do not like cars in the year 2011 and 2014 together?

- A. 3165 B. 2825 C. 2675 D. 4532 E. None of these

2. What is the difference between the number of Actors who like cars in 2016 and the number of Dancers who do not like cars in 2014?

- A. 2120 B. 2790 C. 3150 D. 3440 E. None of these

3. Find the ratio of Dancers who like cars in 2011 to that of Actors who like cars in 2013?

- A. 16 : 9 B. 11 : 15 C. 15 : 16 D. 8 : 7 E. None of these

4. What is the overall percentage change from the number of Directors who like cars in 2011 to the number of Dancers who like cars in 2016?

- A. 1050% B. 1100% C. 1150% D. 1200% E. None of these

5. What was the approximate mean of Dancers, Actors and Directors who like cars in 2015?

- A. 943 B. 1060 C. 963 D. 963 E. None of these

Correct Answers:

1	2	3	4	5
C	B	C	D	A

Explanations:

1. Total number of directors who do not like cars in the year 2011 and 2014 together = $(100 - 15)\%$ of 1500 + $(100 - 12.5)\%$ of 1600
- = 85% of 1500 + 87.5% of 1600
- = 1275 + 1400 = 2675
- Hence, option C is correct.

2. Number of Actors who like cars in 2016 = 20% of 7500 = 1500

Number of Dancers who do not like cars in 2014 = (100 – 35)% of 6600 = 4290

Reqd. difference = 4290 – 1500 = 2790

Hence, option B is correct.

3.

Reqd. ratio = $\frac{25\% \text{ of } 4500}{20\% \text{ of } 6000} = 15 : 16$

Hence, option C is correct.

4. The number of Directors who like cars in 2011 = 15% of 1500 = 225
The number of Dancers who like cars in 2016 = 37.5% of 7800 = 2925

\therefore Reqd. % = $\frac{2925 - 225}{225} \times 100 = 1200\%$

Hence, option D is correct.

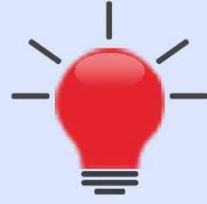
5.

Reqd. avg = $\frac{27.5\% \text{ of } 4000 + 22.5\% \text{ of } 6800 + 10\% \text{ of } 2000}{3}$

= $\frac{1100 + 1530 + 200}{3}$

= $\frac{2830}{3} = 943.33 \approx 943$

Hence, option A is correct.



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