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Date Interpretation Table Chart Questions for RBI GRADE B, IBPSPO and SBIPO Exams.

DI Pie Chart Quiz 49

Directions: Study the following information carefully and answer the questions given beside:

The table below shows the number of users from different Network companies over the years

Year	Vodafone	Idea	Airtel	Reliance	BSNL	Total
2007	2050	9350		8500	14000	43500
2008	2200	10100	21400	10000	12000	55700
2009	2350	18700	12000	14000		58550
2010	2400	11800		16400	12800	56900
2011	2460	14860	14300	14800	14600	
2012	2530	12500		16400	16500	65600
2013	2560	32800	12750		18000	86510
2014	2640	13500	12600	20000		69140
2015	2730	24050	16400	21500	22500	87180
2016	2850	24400	20300	22400	26600	
Total	24770	172060	150520	164400		

1. What is ratio between BSNL users from 2009 to 2014 and Vodafone users from 2008 to 2016?

- A. 4 : 1 B. 2345 : 568 C. 1765 : 67 D. 3245 : 368 E. None of these

2. The total number of Airtel and Reliance users in 2010 is what percentage more than the total number of BSNL and Idea users in 2012?

- A. 2.5% B. 2.75% C. 3.1% D. 3.5% E. None of these

3. In 2009 the turnover of Airtel was Rs. 174 Crores. If the turnover of Airtel in 2014 was Rs. 189 Crores, what is the percentage increase in the average earnings per Airtel user from 2009 to 2014?

- A. 2.5% B. 15% C. 3.44% D. 6.75% E. None of these

4. If Reliance and Vodafone gives 50 mb and 30 mb free data respectively to lucrate their users in the year 2013 is approximate how much less than the Idea users, which also gives 50 mb free data to their users in the same year. (1024 mb = 1 GB)

- A. 531 GB B. 551 GB C. 491 GB D. 515 GB E. None of these

5. If 30% of users from all other networks of 2016 switched to Reliance network in 2017, approximate what percent Reliance users hike from 2016?

A. 96%

B. 91%

C. 101%

D. 99%

E. None of these



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Correct Answers:

1	2	3	4	5
B	C	C	A	D

Explanations:

1. Following the common explanation, we get

Total number of BSNL users from 2009 to 14 = 11500 + 12800 + 14600 + 16500 + 18000 + 20400 = 93800

And, the total number of Vodafone users from 2008 to 16 = 2200 + 2350 + 2400 + 2460 + 2530 + 2560 + 2640 + 2730 + 2850 = 22720

∴ Reqd. ratio = 93800 : 22720 = 2345 : 568.

Hence, option B is correct.

Common Explanation:

After filling all the missing details, we get

Year	Vodafone	Idea	Airtel	Reliance	BSNL	Total
2007	2050	9350	9600	8500	14000	43500
2008	2200	10100	21400	10000	12000	55700
2009	2350	18700	12000	14000	11500	58550
2010	2400	11800	13500	16400	12800	56900
2011	2460	14860	14300	14800	14600	61020
2012	2530	12500	17670	16400	16500	65600
2013	2560	32800	12750	20400	18000	86510
2014	2640	13500	12600	20000	20400	69140
2015	2730	24050	16400	21500	22500	87180
2016	2850	24400	20300	22400	26600	96550
Total	24770	172060	150520	164400	168900	

2. Following the common explanation, we get

Total number of Airtel and Reliance users in the year 2010 = 13500 + 16400 = 29900

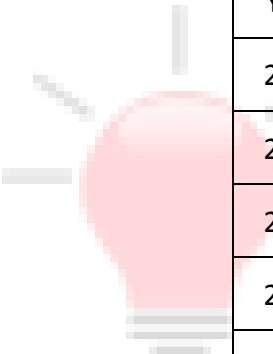
Total number of BSNL and Idea users in 2012 = 16500 + 12500 = 29000

$$\therefore \text{Reqd. \%} = \frac{29900 - 29000}{29000} \times 100 = \frac{900}{29000} \times 100 = 3.1\%$$

Hence, option C is correct.

Common Explanation:

After filling all the missing details, we get



Year	Vodafone	Idea	Airtel	Reliance	BSNL	Total
2007	2050	9350	9600	8500	14000	43500
2008	2200	10100	21400	10000	12000	55700
2009	2350	18700	12000	14000	11500	58550
2010	2400	11800	13500	16400	12800	56900
2011	2460	14860	14300	14800	14600	61020
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2014	2640	13500	12600	20000	20400	69140
2015	2730	24050	16400	21500	22500	87180
2016	2850	24400	20300	22400	26600	96550
Total	24770	172060	150520	164400	168900	

3. As per the common explanation, we get

Earning of Airtel from each user in 2009

$$= \frac{174 \text{ Crores}}{12000} = 145000$$

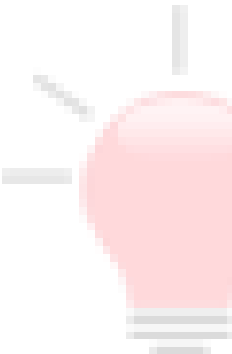
$$\text{Similarly, in year 2014} = \frac{189 \text{ Crores}}{12600} = 150000$$

$$\therefore \text{Reqd. \%} = \frac{150000 - 145000}{145000} \times 100 = 3.44\%$$

Hence, option C is correct.

Common Explanation:

After filling all the missing details, we get



Year	Vodafone	Idea	Airtel	Reliance	BSNL	Total
2007	2050	9350	9600	8500	14000	43500
2008	2200	10100	21400	10000	12000	55700
2009	2350	18700	12000	14000	11500	58550
2010	2400	11800	13500	16400	12800	56900
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2014	2640	13500	12600	20000	20400	69140
2015	2730	24050	16400	21500	22500	87180
2016	2850	24400	20300	22400	26600	96550
Total	24770	172060	150520	164400	168900	

4. Following the common explanation, we get

Total amount of data Reliance gives to their users in 2013 = $20400 \times 50 = 1020000 \text{ mb} \approx 996 \text{ GB}$

Similarly, Vodafone = $2560 \times 30 = 76800 \text{ mb} = 75 \text{ GB}$

Therefore, total data of Reliance and Vodafone = $996 + 75 = 1071 \text{ GB}$

And, Idea = $32800 \times 50 = 1640000 \text{ mb} \approx 1602 \text{ GB}$

\therefore Reqd. difference = $1602 - 1071 = 531 \text{ GB}$

Hence, option A is correct.

Common Explanation:

After filling all the missing details, we get



Year	Vodafone	Idea	Airtel	Reliance	BSNL	Total
2007	2050	9350	9600	8500	14000	43500
2008	2200	10100	21400	10000	12000	55700
2009	2350	18700	12000	14000	11500	58550
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2015	2730	24050	16400	21500	22500	87180
2016	2850	24400	20300	22400	26600	96550
Total	24770	172060	150520	164400	168900	

5. Following the common explanation, we get

The total number of users of all other networks = Total users of 2016 – Reliance users of 2016 = 96550 – 22400 = 74150

And, the total number of users chose Reliance network = 30% of 74150 = 22245

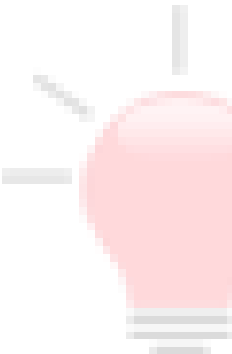
Total number of users of Reliance network in 2016 = 22400

∴ Total percentage increase = $\frac{22245}{22400} \times 100 \approx 99\%$

Hence, option D is correct.

Common Explanation:

After filling all the missing details, we get



Year	Vodafone	Idea	Airtel	Reliance	BSNL	Total
2007	2050	9350	9600	8500	14000	43500
2008	2200	10100	21400	10000	12000	55700
2009	2350	18700	12000	14000	11500	58550
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