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Date Interpretation Pie Chart Questions for SBI Clerk Pre and IBPS Clerk Pre Exams.
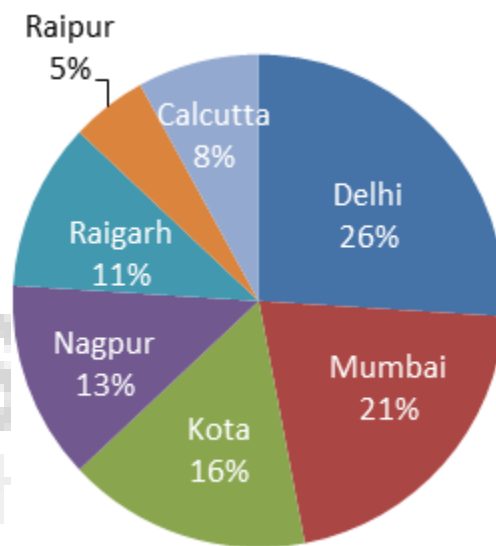
DI Pie Chart Quiz 41

Directions: Study the following pie chart carefully & answer the questions given below it.

The pie charts represent the percentage distribution of the bags which have been sold and supplied in a bag market in 7 different cities in year 2016 and 2017, respectively.
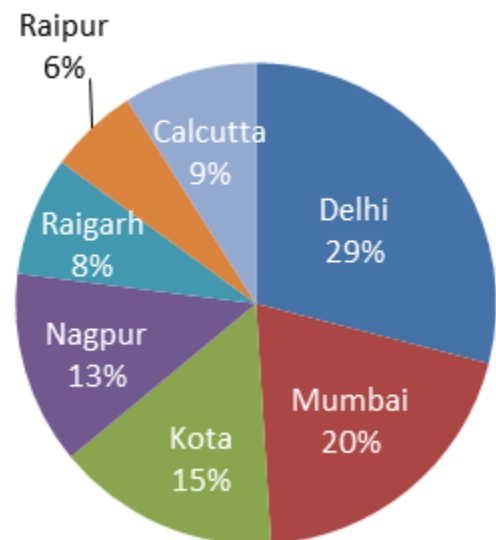
Total number of bags sold and supplied in 2016 = 87600

Total number of bags sold and supplied in 2017 = 96900

2016

2017

Questions :

1. What is the difference between the total number of bags sold and supplied in Kota in 2016 and the total number of bags sold and supplied in Kota in 2017?

A. 509   B. 549   C. 639   D. 519   E. None of these

2. What is the ratio of the number of bags sold and supplied in Mumbai bag market in 2016 and the number of bags sold and supplied in Mumbai bag market in 2017?

A. 1533 : 1615   B. 1142 : 1243   C. 1447 : 1589   D. 1321 : 1541   E. None of these

3. The total number of bags sold and supplied in Raipur in 2016 is approximately what percent of the total number of bags sold and supplied in Raipur in 2017?

A. 72.4%   B. 73.8%   C. 77.2%   D. 71.6%   E. None of these

4. The total number of bags sold and supplied in Nagpur and Raigarh together in 2017 is approximately what percent of the total number of bags sold and supplied in Nagpur and Calcutta together in 2016?

A. 117.7%   B. 110.6%   C. 106.3%   D. 114.4%   E. None of these

5. The manufacturing charge per bag in Delhi was Rs. 9000 in 2016 while Rs. 11000 in 2017. Find the difference between the total manufacturing charge incurred by the bag market in 2016 and 2017 from Delhi Bag Market.

A. Rs. 113788000   B. Rs. 118216000   C. Rs. 104127000   D. Rs. 121456000   E. None of these

Correct Answers:

1	2	3	4	5
D	A	E	B	C

Answers :

1. The total number of bags sold and supplied in Kota in 2016

$$= 16\% \text{ of } 87600 = \frac{16}{100} \times 87600 = 14016$$

The total number of bags sold and supplied in Kota in 2017

$$= 15\% \text{ of } 96900 = \frac{15}{100} \times 96900 = 14535$$

Therefore, required difference = 14535 − 14016 = 519

Hence, option D is correct.

2. The total number of bags sold and supplied in Mumbai bag market in 2016

$$= 21\% \text{ of } 87600 = \frac{21}{100} \times 87600 = 18396$$

The total number of bags sold and supplied in Mumbai bag market in 2017

$$= 20\% \text{ of } 96900 = \frac{20}{100} \times 96900 = 19380$$

Therefore, reqd. ratio $= \dfrac{18396}{19380} = \dfrac{1533}{1615}$

Hence, option A is correct.

3. The total number of bags sold and supplied in Raipur bag market in 2016

$$= 5\% \text{ of } 87600 = \frac{5}{100} \times 87600 = 4380$$

The total number of bags sold and supplied in Raipur bag market in 2017

$$= 6\% \text{ of } 96900 = \frac{6}{100} \times 96900 = 5814$$

Therefore, reqd. percentage $= \dfrac{4380}{5814} \times 100 = 75.3\%$

Hence, option E is correct.

4.   The total number of bags sold and supplied in Nagpur and Calcutta bag market in 2016

= (13 + 8)% of 87600 = $\dfrac{21}{100}$ × 87600 = 18396

The total number of bags sold and supplied in Nagpur and Raigarh bag market in 2017

= (13 + 8)% of 96900 = $\dfrac{21}{100}$ × 96900 = 20349

Therefore, reqd. percentage = $\dfrac{20349}{18396}$ × 100 = 110.6%

Hence, option B is correct.

5.   The total number of bags sold and supplied in Delhi bag market in 2016

= 26% of 87600 = $\dfrac{26}{100}$ × 87600 = 22776

Total charge incurred by Delhi bag market in 2016 = 22776 × 9000 = Rs. 204984000

The total number of bags sold and supplied in Delhi bag market in 2017

= 29% of 96900 = $\dfrac{29}{100}$ × 96900 = 28101

Total charge incurred by Delhi bag market in 2017 = 28101 × 11000 = Rs. 309111000

Therefore, required difference = 309111000 − 204984000 = Rs.104127000

Hence, option C is correct.