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(SBI PO 2018)
Shiraz Khan
(SBI Clerk 2018)
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DI Pie Chart Questions for IBPS Clerk Mains, SBIClerkMains, IBPS PO Preand SBI PO PreExams.

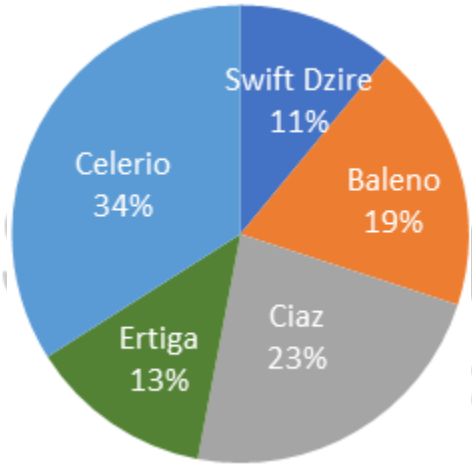
DI Pie Chart No.61

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

Maruti Suzuki manufactured 17,500 cars in the year 2018. Company has manufactured five different cars : Swift Dzire, Baleno, Ciaz, Ertiga and Celerio

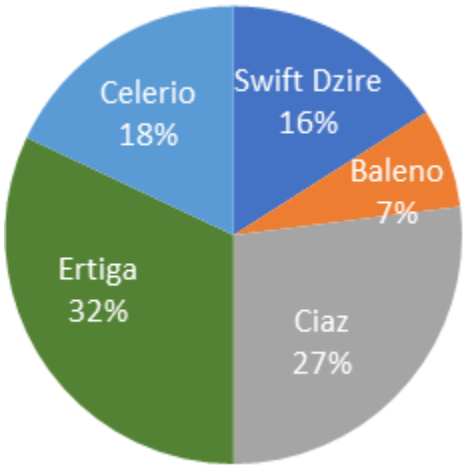
Following Pie Chart gives information about percentage wise distribution of different cars manufactured by Maruti.

Manufactured (Total 17,500)



Below pie chart gives the information about percentage wise breakup of cars sold in 2018.

Sold (Total 12,500)



1. What is the difference between numbers of Baleno&Ertiga Cars Sold together to number of Swift Dzire and Ciaz Manufactured together?

A. 1075 B. 1150 C. 1275 D. 2325 E. 1750

2. Celerio cars sold by Marutiis what percent less (approximate) than the Ciaz Cars manufactured by Maruti?

A. 39% B. 42% C. 44% D. 48% E. 51%

3. What is the ratio of Ertiga cars sold to that of Celerio Cars Manufactured?

A. 80 : 113 B. 80 : 119 C. 119 : 76 D. 113 : 84 E. None of these

4. If X denotes the average of Baleno, Ciaz and Ertiga Cars Sold by Maruti and Y denotes average of Swift Desire and Baleno cars manufactured by Maruti, then Y is what percent of X ?

A. 90.55% B. 97.50% C. 93.15% D. 95.45% E. 96.80%

5. In 2019, Maruti Manufactured 225 more Ertiga Cars than the Previous Year. Manufacturing of every other car in 2019 was increased by 175 than the previous year. What is the ratio between Ertiga Cars manufactured in 2019 to that of Ciaz Car manufactured in 2019 ?

A. 25 : 42 B. 25 : 44 C. 42 : 17 D. 23 : 18 E. None of these

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Correct Answers:

1	2	3	4	5
A	C	B	D	A

Explanations :

1. Number of Baleno and Ertiga Cars Sold together

$= 39\ \%\ \text{of}\ 12{,}500 = \frac{39}{100} \times 12{,}500 = 4875$

Number of Swift Dzire and Ciaz Cars Manufactured together

$= 34\ \%\ \text{of}\ 17{,}500 = \frac{34}{100} \times 17{,}500 = 5950$

Difference = 1075

Hence, option A is correct.

2.

Calerio Cars Sold by Maruti $= \frac{18}{100} \times 12{,}500 = 2250$

Ciaz Card Manufactured by Maruti $= \frac{23}{100} \times 17{,}500 = 4025$

Difference = 1775

Percentage Change $= \frac{1775}{4025} \times 100 = 44.09\%$

Hence, option C is correct.

3.

Ertiga Cars Sold $= \frac{32}{100} \times 12{,}500 = 4000$

Celerio Cars Manufactured $= \frac{34}{100} \times 17{,}500 = 5950$

Ratio $= \frac{4000}{5950} = 80 : 119$

Hence, option B is correct.

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4. Baleno, Ciaz and Ertiga Cars Sold

$= 66\%$ of $12,500 = \frac{66}{100} \times 12,500 = 8250$

$X = \frac{8250}{3} = 2750$

Swift Desire and Baleno cars Manufactured

$= 30\%$ of $17,500 = \frac{30}{100} \times 17,500 = 5250$

$Y = \frac{5250}{2} = 2625$

Y in terms of $X = \frac{2625}{2750} \times 100 = 95.45\%$

Hence, option D is correct.

5. Ertiga Cars Manufactured in 2018

$= \frac{13}{100} \times 17,500 = 2275$

Ertiga Cars Manufactured in 2019 = 2275 + 225 = 2500

Ciaz Car manufactured in 2018

$= \frac{23}{100} \times 17,500 = 4025$

Ciaz Car manufactured in 2019 = 4025 + 125 = 4200

Reqd. Ratio $= \frac{2500}{4200} = 25 : 42$

Hence, option A is correct.

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