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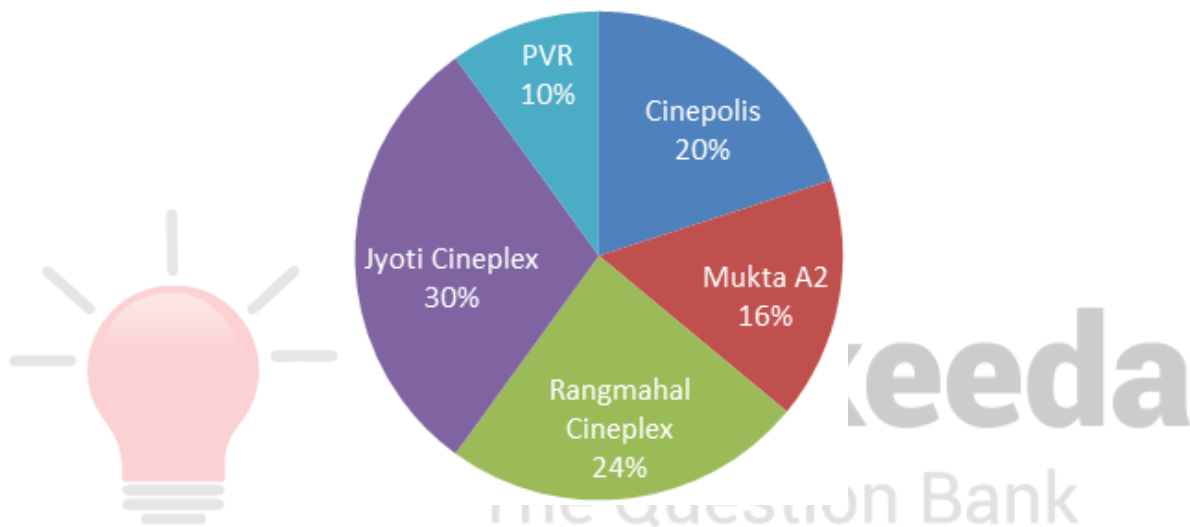
DI Pie Chart Questions for SBI Clerk Pre, IBPS Clerk Pre, IBPS RRB Assistant Pre and LIC Assistant Pre Exams.

DI Pie Chart No. 70

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

The pie-chart given below shows the percentage distribution of the number of tickets sold by five different theatres.

The number of tickets sold on Friday = 950



- 1. What is the difference between the total number of tickets sold by theatre Cinepolis and Jyoti Cineplex together and the total number of tickets sold by Mukta A2 and Rangmahal Cineplex together?**
A. 85 B. 90 C. 76 D. 105 E. 95
- 2. Number of tickets sold by Mukta A2 on Saturday, was 32 more than number of tickets sold on Friday. The number of tickets sold by PVR on Saturday was 59 more than the number of tickets sold on Friday. What was the respective ratio between the number of tickets sold by theatre Mukta A2 and PVR on Saturday?**
A. $\frac{93}{74}$ B. $\frac{91}{72}$ C. $\frac{92}{77}$ D. $\frac{82}{75}$ E. $\frac{72}{87}$
- 3. The total number of tickets sold by all theatres together on Friday was 90% more than that sold on Thursday. What was the total number of tickets sold by all theatres together on Thursday?**
A. 450 B. 500 C. 540 D. 370 E. 510

4. What is the central angle corresponding to the number of tickets sold by Mukta A2 theatre?

- A. 55.2° B. 54.8° C. 55.8° D. 57.6° E. 53.7°

5. Out of the number of tickets sold by Rangmahal Cineplex $\frac{7}{12}$ were purchased by females and out of the number of tickets sold by Jyoti Cineplex $\frac{1}{19}$ were purchased by females. What was the total number of tickets purchased by females from Rangmahal Cineplex and Jyoti Cineplex together?

- A. 148 B. 143 C. 126 D. 152 E. 118

Correct Answers:



1	2	3	4	5
E	C	B	D	A

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Explanations :

1. Total number of tickets sold by theatre Cinepolis and Jyoti Cineplex = $20 + 30 = 50\%$

Total number of tickets sold by Mukta A2 and Rangmahal Cineplex together = $16 + 24 = 40\%$

Difference = 10% of $950 = 95$

Hence, option E is correct.

2. Number of tickets sold by Mukta A2 on Saturday = number of tickets sold by Mukta A2 on Friday + 32

Number of tickets sold by Mukta A2 on Friday

$$= \frac{950 \times 16}{100} = 152$$

Number of tickets sold by Mukta A2 on Saturday = $152 + 32 = 184$

Number of tickets sold by PVR on Friday

$$= \frac{950 \times 10}{100} = 95$$

Number of tickets sold by PVR on Saturday = $95 + 59 = 154$

$$\text{Reqd. ratio} = \frac{184}{154} = \frac{92}{77}$$

Hence, option C is correct.

3.

$$(\text{Number of tickets sold on Thursday}) \times \frac{190}{100} = 950 -$$

Number of tickets sold on Thursday = 500

Hence, option B is correct.

4.

$$\text{Central angle} = \frac{16 \times 360}{100} = 57.6^\circ$$

Hence, option D is correct.

5. Number of tickets purchased by females from Rangmahal Cineplex

$$= \frac{24 \times 7 \times 950}{100 \times 12} = 133$$

Number of tickets purchased by females from Jyoti Cineplex

$$= \frac{30 \times 950}{100 \times 19} = 15$$

Total number of tickets purchased by females from Rangmahal Cineplex and Jyoti Cineplex together =
(133 + 15) = 148

Hence, option A is correct.



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