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DI table Chart Questions for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains, IBPS Clerk Mains and IBPS RRB Scale I Pre Exams.

DI Table Chart No. 120

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

Two movies Bahubali and Robot 2.0 are released in three theatres INOX, PVR and Galaxy. On Friday a total of 4500 people watched Bahubali and 4000 people watched Robot 2.0.

The table below shows the percent distribution of total viewers of a particular movie into three theatres.

Theatre	Bahubali	Robot 2.0
INOX	40%	35%
PVR	35%	25%
Galaxy	25%	40%

The viewers are classified on the basis of age as adults and children. The table below shows the percentage of children out of the total viewers in each theatre for each movie.

Theatre % of Children	Bahubali	Robot 2.0
INOX	15%	20%
PVR	16%	18%
Galaxy	20%	17%

1. What is the ratio of the number of children who watched Bahubali in PVR to the children who watched Robot in PVR?

- A. 9 : 11 B. 7 : 13 C. 9 : 7 D. 7 : 5 E. None of these

2. The number of children who watched Bahubali in INOX is what percent of the number of adults who watched Bahubali in Galaxy?

- A. 32% B. 30% C. 45% D. 27% E. None of these

3. What is the difference between the total viewers in INOX and PVR?

- A. 625 B. 650 C. 480 D. 520 E. None of these

4. What is the ratio of the sum of adults and children who watched Robot in INOX and PVR respectively to the sum of adults and children who watched Bahubali in Galaxy and INOX respectively?

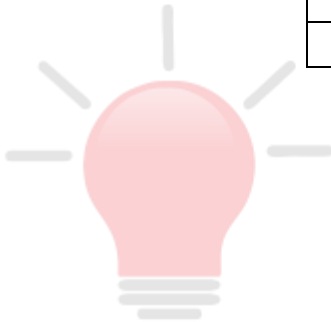
- A. 14 : 11 B. 11 : 9 C. 10 : 9 D. 13 : 7 E. None of these

5. The average number of children who watched Robot is what percent of the average number of adults who watched Bahubali?

- A. 21.33% B. 15.78% C. 18.67% D. 19.50% E. None of these

Correct Answers:

1	2	3	4	5
D	B	A	C	D



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Common explanation :

Bahubali viewers – 4500 and Robot viewers - 4000

Bahubali viewers' distribution in theaters

INOX – 40% = 1800, PVR – 35% = 1575 and Galaxy – 25% = 900

In INOX, Children = 15% so, adults = 85%

Children = 15% (1800) = 270 and Adults = 85% (1800) = 1530

Similarly calculating for every theatre and each show, we get

Movie →	Bahubali			Robot 2.0			Total Viewers
	Theatre	Viewers	Adult	Children	Viewers	Adult	
INOX	1800	1530	270	1400	1120	280	3200
PVR	1575	1323	252	1000	820	180	2575
Galaxy	1125	900	225	1600	1328	272	2725
Total	4500	3753	747	4000	3268	732	8500



Answers :

1. Following the common explanation, we get

Number of children who saw Bahubali in PVR = 252

Number of children who saw Robot in PVR = 180

Required ratio = 252 : 180 = 7 : 5

Hence, option D is correct.

2. Following the common explanation, we get

The number of children who watched Bahubali in INOX = 270

The number of adults who watched Bahubali in Galaxy = 900

$$\text{Reqd. \%} = \frac{270}{900} \times 100 = 30\%$$

Hence, option B is correct.

3. Following the common explanation, we get

Total viewers in INOX = 3200

Total viewers in PVR = 2575

Required difference = 3200 – 2575 = 625

Hence, option A is correct.

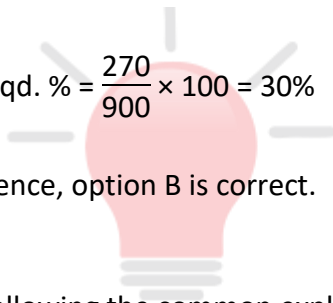
4. Following the common explanation, we get

Sum of adults and children who watched Robot in INOX and PVR = 1120 + 180 = 1300

Sum of adults and children who watched Bahubali in Galaxy and INOX = 900 + 270 = 1170

Required ratio = 1300 : 1170 = 10 : 9

Hence, option C is correct.



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5. Following the common explanation, we get

$$\text{The average number of children who watched Robot} = \frac{732}{3} = 244$$

$$\text{Average number of adults who watched Bahubali} = \frac{3753}{3} = 1251$$

$$\text{Reqd. \%} = \frac{244}{1251} \times 100 = 19.50\%$$

Hence, option D is correct.



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