

3. 11 days
5. 15 days

4. 13 days

10. Abhi and Neeraj together can complete work 'Z' in (A + 42) days while Bhavya and Satish together can complete work 'Z' in (A + 15) days. All start the work Z such that ratio between work done by Abhi, Bhavya and Veer is 1 : 2 : 3, while ratio between days, Neeraj, Satish and Veer worked is 2 : 2 : 1. Find how many days 'Bhavya' worked.

1. 10 days.
3. 20 days
5. 40 days

2. 15 days
4. 30 days

11. All five persons started together to complete work 'Y'. Veer worked for starting 6 days and left the work. After 3 days more both Bhavya and Satish left too. Remaining 40% work should be completed by Abhi and Neeraj together but 'Abhi' left after 'x' days. Remaining work is completed by 'Neeraj' in 'z' days. If 'z - x = 3', then number of days for which 'Neeraj' worked is what percent more than number of days for which 'Abhi' worked.

1. 20%
3. 40%
5. 50%

2. 25%
4. 45%

12. Abhi, Bhavya and Neeraj together starts to do work 'M'. After 7 days 'Neeraj' left and after 3 days more 'Abhi' and 'Bhavya' left. Remaining work is completed by Satish and Veer working alternatively in 'y' days. If 'y' is integer then find 'Veer' worked for how many days?

1. 3 days
3. 5 days

2. 4 days
4. 6 days

5. Cannot be determined

13. Abhi, Bhavya and Satish starts working together to complete work 'M'. After 5 days, Bhavya and Satish replaced by Neeraj and Veer. After 5 more days Abhi left the work. After 1 more day Veer left too. Neeraj worked for total 'x' days. In other case Abhi and Bhavya starts working together to complete 'M'. After 4 days both are replaced by Veer. Veer worked for 5 days and replaced by Satish who worked for 8 days. Remaining work is completed by Neeraj in 'y' days. Find $(y-x)^2$?

1. 25
3. 49
5. 81

2. 36
4. 64

Directions(14-18):- A bus service was started from Punhana to Nuh. Owner of bus service gave permanent passes to its most regular traveler. All of pass holder travels on Monday. In a survey held on Monday for other days; 30% of them said that they travel daily except Saturday. 20% travellers travel only four days including Friday, Thursday and Tuesday. 30% said that they only travel on Wednesday & Saturday. 10% of them only travel on Tuesday, Wednesday & Saturday and rest of them claims that they only travel on Wednesday and Thursday.

14. Number of people who travels on Friday not on Sunday is what % of number of people who travels on Sunday.

1. 66 $\frac{2}{3}$ %
3. 80%
5. 140%

2. 150%
4. 125%

15. What is the number of people who do not travel on Saturday but travels on Wednesday, if total boarding pass given by owner was 400?

1. 180
3. 140

2. 160
4. 190

5. can't be determined

16. Number of people who travels on Sunday, is how much % more or less than the number of people who travels on Thursday but not on Wednesday.

1. 30%
3. 40%

2. 25%
4. 50%

5. None of these

17. Find the number of people, who travels both on Wednesday and Tuesday. If total number of people who travels on Tuesday is 60.

1. 20
3. 25

2. 35
4. 40

5. None of these

18. Calculate the number of people who only travels on 4 days is how much % more than the number of people who only travels 3 days but not on Saturday.

1. 200%
3. 75%

2. 50%
4. 25%

5. 0%

Directions(19-20):- Veer divided his monthly income in three expenses i.e. accommodation, food and travel in the ratio of 5 : 7 : 4 respectively. Out of the expenses estimated for accommodation, he spent 20% on rent, 45% of remaining on electricity and water and remaining he saved. Out of total expenses estimated for food, only 20% was saved. Out of amount estimated for travelling 37.5 % spent on travel by metro and 20% of remaining he spent on travelling by car and rest was saved. Total saving of Veer was Rs. 16800.

19. A man sold an article at an amount which is equal to total of Veer spent on travelling by car and electricity & water and made a loss of 25%. Find at what price man should sold the article in order to make a profit of 12.50%.

1. 10250 Rs.
3. 10450 Rs.
5. 10000 Rs.

2. 10150 Rs.
4. 10350 Rs.

20. A man purchased an AC from an electronic store at an amount which is equal to total of Veer spent on rent, food & travel by metro. If store allowed two successive discounts of 4% & '10%', then find the marked price of AC?

1. Rs. 28125
3. Rs. 28325
5. Rs. 28625

2. Rs. 28225
4. Rs. 28425

Directions (21-25):- Given below line graph which shows number of days taken by six persons A, B, C, D, E and F to complete a work individually. Give answer of the questions according to graph and data given in questions-

5. 6400

45.

3 16 41 82 143 228

7 P Q R S T

Which will come in the place of S?

1. 178 2. 147

3. 129 4. 232

5. 100

Direction (Q. 46-50): What will come in the place of question mark (?) in the following number series so that the pattern of the series shouldn't be altered?**46.** 5, 10, 21, 38, 61, 90, (?+10)

1. 125 2. 115

3. 135 4. 156

5. None of these

47. 6.3, 8.3, (?-1), 22.9, 37.5, 60.4

1. 15.6

3. 14

5. None of these

48. 11, 18, 37, 76, 143, (?-6)

1. 246 2. 270

3. 252 4. 229

5. 201

49. 59, 70, 103, (?+58), 235, 334

1. 100 2. 132

3. 144 4. 229

5. None of these

50. 64, 353, 609, (?²-7), 1030, 1199

1. 36 2. 84

3. 86 4. 29

5. None of these

ANSWER KEY

1.(2)	2.(3)	3.(1)	4.(5)	5.(4)	6.(2)	7.(4)	8.(1)	9.(4)	10.(2)
11.(5)	12.(2)	13.(4)	14.(1)	15.(2)	16.(4)	17.(4)	18.(1)	19.(4)	20.(1)
21.(2)	22.(3)	23.(1)	24.(3)	25.(1)	26.(1)	27.(3)	28.(2)	29.(5)	30.(2)
31.(2)	32.(5)	33.(1)	34.(5)	35.(5)	36.(3)	37.(4)	38.(5)	39.(4)	40.(1)
41.(4)	42.(5)	43.(5)	44.(1)	45.(2)	46.(2)	47.(1)	48.(3)	49.(1)	50.(4)