L18 : Data Interpretation

1-Tut : Maximum Possible Runs

Send Feedback

5 players of a team participated in a tournament and played four matches (1 to 4). The following table gives partial information about their individual scores and the total runs scored by the team in each match. Some values are missing in each of the given coloumn. The missing values are the runs scored by the two lowest scorers in that match. None of the two missing values is more than 10% of the total runs scored in that match.

What is the maximum possible runs scored by A in four matches?

Player	Match 1	Match 2	Match 3	Match 4
A		100		53
B	88	65		52
C			110	
D	72	75	20	56
E	60		78	
Total	**270**	**300**	**240**	**200**

Options

This problem has only one correct answer

199
220
175
232

Correct Answer : A

Solution Description

Runs scored by A would be maximum when runs scored by A in Match 1 and 3 was maximum possible.
Maximum possible runs scored by A in Match-1 = 27
Maximum possible runs scored by A in Match-3 = 19
Maximum possible runs scored by A= 27+100+19+53= 199.

Hence, option (1) is correct.

2-Tut : Maximum Possible Percentage

Send Feedback

5 players of a team participated in a tournament and played four matches (1 to 4). The following table gives partial information about their individual scores and the total runs scored by the team in each match. Some values are missing in each of the given coloumn. The missing values are the runs scored by the two lowest scorers in that match. None of the two missing values is more than 10% of the total runs scored in that match.

What is the maximum possible percentage contribution of E in the total runs scored in the four matches?

Player	Match 1	Match 2	Match 3	Match 4
A		100		53
B	88	65		52
C			100	
D	72	75	20	56
E	60		78	
Total	270	300	240	200

Options

This problem has only one correct answer

18%
19.9%
18.61%
20.2%

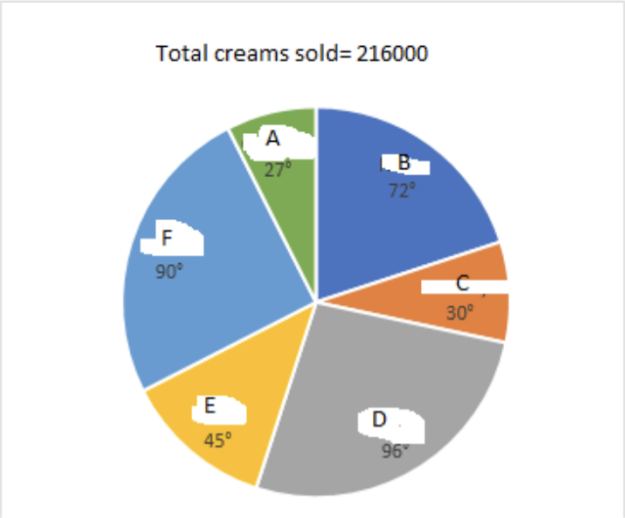
Correct Answer : C

Solution Description

Maximum possible runs scored by E in Match-2 = 30
Maximum possible runs scored by E in Match-4 = 20
As, the score for C will be 19, and we want to consider the maximum score.
Maximum possible runs scored by E in four matches= 60 + 30 + 78 + 20 = 188
Required percentage= (188/(270+300+240+200))×100%= (188/1010)×100=18.61%.

Hence, option (3) is correct.

3-Tut : Total Number Of Beauty Creams



Send Feedback

The following pie chart shows the distribution of Beauty creams sold by six different companies (in angular format) in the year 2017. Study the graph carefully and answer the related questions.

Total number of beauty creams sold by B and F together is approximately what percent more or less than that of creams sold by D and A together?

Options

This problem has only one correct answer

32% less
32% more
25% more
18% less

Correct Answer : B

Solution Description

Total number of beauty cream sold by B and F together= ((72+90)/(360))×216000=97,200
Total number of beauty cream sold by D and A together= ((96+27)/(360))×216000=73,800
Required percentage= ((97200-73800)/(73800))×100=32% more.

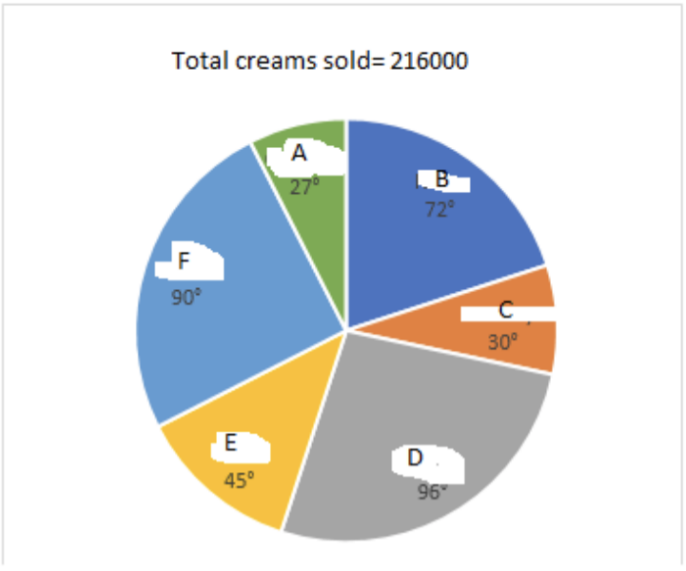
Hence, option (2) is correct.

4-Tut : Other Beauty Cream Sold By B

Send Feedback

The following pie chart shows the distribution of Beauty creams sold by six different companies (in angular format) in the year 2017. Study the graph carefully and answer the related questions.

If 100/3% out of total creams sold by B were face wash, 50/3% out of total creams sold by the same company were face cream and rest were other beauty creams then find the other beauty cream sold by



Options

This problem has only one correct answer

20,600
26,100
21,600
24,400

Correct Answer : C

Solution Description

Other beauty cream= 100- (100/3+50/3)=50%.
Other beauty cream sold by B= 50% of (72/360) of 216000=21,600.

Hence, option (3) is correct.

5-Tut : Total Number Of Females

Send Feedback

The following table shows the total number of persons who qualified GATE in six different years and the ratio of male to female in them. Study the table carefully and answer the following questions.

What is the total number of female candidates who qualified the GATE exam in years 2010, 2012 and 2014 together?

Year	Total qualified candidate	Ratio of male to female
2010	21500	4 : 1
2011	24,500	7 : 3
2012	27,300	7 : 5
2013	30,200	13 : 7
2014	32,400	11 : 5
2015	35,200	6 : 5

Options

This problem has only one correct answer

24,900
26,500
25,800
23,800

Correct Answer : C

Solution Description

Total number of females= 1/5×21500+5/12×27300+5/16×32400=25,800. Hence, option (3) is correct.

6-Tut : Number Of Male Candidates

Send Feedback

The following table shows the total number of persons who qualified GATE in six different years and the ratio of male to female in them. Study the table carefully and answer the following questions.

The number of male candidates(approximate) who qualified in year 2011 are approximately what percent of total number of candidates who qualified the exam in year 2010?

Year	Total qualified candidate	Ratio of male to female
2010	21500	4 : 1
2011	24,500	7 : 3
2012	27,300	7 : 5
2013	30,200	13 : 7
2014	32,400	11 : 5
2015	35,200	6 : 5

Options

This problem has only one correct answer

88%
80%
72%
66%

Correct Answer : B

Solution Description

Required percentage= ((7/10)×24500)/(21500)×100≈80%. Hence, option (2) is correct.

7-Tut : Average Male Candidates

Send Feedback

The following table shows the total number of persons who qualified GATE in six different years and the ratio of male to female in them. Study the table carefully and answer the following questions.

What is the average number of male candidates who qualified the exam in years 2010, 2011 and 2014 together?

Year	Total qualified candidate	Ratio of male to female
2010	21500	4 : 1
2011	24,500	7 : 3
2012	27,300	7 : 5
2013	30,200	13 : 7
2014	32,400	11 : 5
2015	35,200	6 : 5

Options

This problem has only one correct answer

17,875
20,450
18,980
18,875

Correct Answer : D

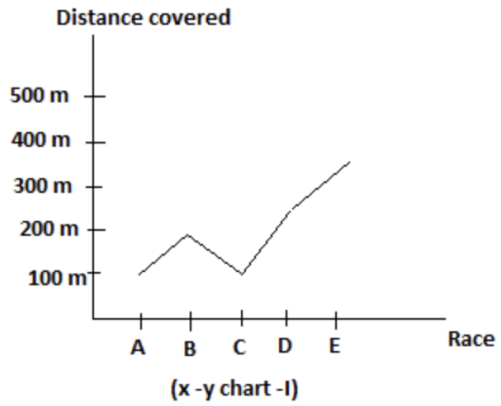
Solution Description

Required average number= 1/3*((4/5)×21500+(7/10)×24500+(11/16)×32,400=18,875. Hence, option (4) is correct.

8-Tut : Amit Maximum

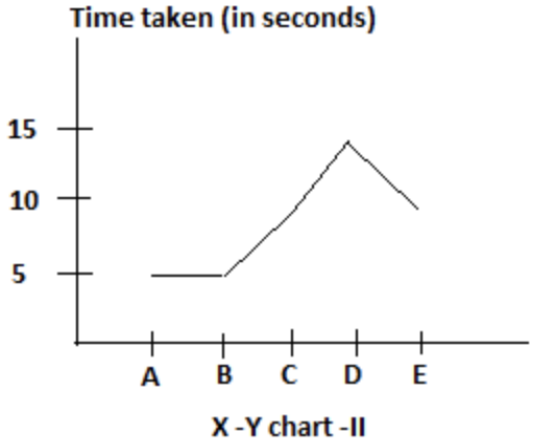
Send Feedback

The x-y chart I shows the distance covered by Amit in five different races –A, B, C, D & E.



(x -y chart -I)

The x-y chart II shows the time taken to cover these five races – A, B, C , D & E



Based on the above charts answer the following questions.

In which race speed of Amit is maximum?

Options

This problem has only one correct answer

A
B
C
D

Correct Answer : B

9-Tut : Based on the above charts answer the following questions.
In which race speed of Amit is minimum?

Options

This problem has only one correct answer

A
B
C
D

Correct Answer : C

10-Tut : Based on the above charts answer the following questions.
What is the ratio of speeds of Amit in race A and race B?

Options

This problem has only one correct answer

1:2
1:3
1:4
1:5

Correct Answer : A

11-Tut : Based on the above charts answer the following questions.
If Amit increased his speed by 10% then what is the time taken by Amit to finish the race D?

Options

This problem has only one correct answer

12.67 sec
13.67 sec
14.33 sec
13.92 sec

Correct Answer : B

12-Tut : Based on the above charts answer the following questions.
What is the avg. speed of Amit in all the races together?

Options

This problem has only one correct answer

24.44 m/s
24.22 m/s
12.22 m/s
12.67 m/s

Correct Answer : A