Aptitude - Averages Online Quiz

Following quiz provides Multiple Choice Questions (MCQs) related to **Averages**. You will have to read all the given answers and click over the correct answer. If you are not sure about the answer then you can check the answer using **Show Answer** button. You can use **Next Quiz** button to check new set of questions in the quiz.

Q 1 - 18 is the mean of 5 numbers. What should be the exclude number if the average became 16 after excluding number?

A - 18

B - 25

C - 34

D - 26

Answer : D

Explanation

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5 number have the total sum = (18*5)= 90
4 number have the total sum = (16*4)= 64
So, the exclude number is = (90-64)= 26.
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Hide Answer

Q 2 - 28 is the average of 3 numbers. Find out the value of third number if the given condition is such that the second number have the double value in the comparison of first number and third number have 4 times value of first number?

A - 48

B - 34

C - 22

D - 21

Answer : A

Explanation

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If x is the value of third number.
Then  the value of second number is x/2 , if x/2 is the value of second number then the value of first number
Total sum of three number = (3*28) =84
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∴ x+x/2+x/4 = 84 ⇒ 7x/4 = 84 ⇒ x= (84*4)/7 = 48
So, its proves that the value of the third number is 48.

Hide Answer

Q 3 - A class has 24 students. If 18 year old boys left the school and one new boy join the school in that situation the average decrease by 1 month. Find out the age of new boy?

A - 16 years

B - 17 years

C - 25 years

D - 23 years

Answer : A

Explanation

Downfall in the total age =(24*1)= 24 months =2 years
The age of the new boy = 18- 2 = 16 years.

Hide Answer

Q 4 - 84 kg is the average weight of 3 people A, B and C. 80 kg is the average if D joins the group. A new man E replaces who have 3kg more weight than D. At that time 79 kg is the average weight of B, C, D and E. What should be the weight of A?

A - 75 kg

B - 34 kg

C - 26 kg

D - 56 kg

Answer : A

Explanation

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A+B+C= (3*84)= 252 kg.     A+B+C+D= (4*80)= 320 kg
weight of D =( 320- 252) =68 kg.   weight of E = (68+3)= 71 kg.
sum of the weight of B+C+D+E= (79*4)= 316 kg ,
sum of the weight of B+C+D = (316-71)=245kg.
Total weight of A = (320- 245 )= 75 kg.
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Show Answer

Q 5 - find out the total value of 6 numbers if 45 is the arithmetic mean of 6 numbers.

A - 230

B - 220

C - 210

D - 270

Answer : D

Explanation

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a,b,c,d,e,f is the given 6 numbers  .Then ,
(a+b+c+d+e+f)/6 = 45  = (a+b+c+d+e+f) = 45*6 = 270.
Sum of the given numbers = 270.
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Hide Answer

Q 6 - Find out the number of papers in exams if 63 is the average marks in exams.65 marks will be the average if 20 marks obtained by him in geography and 22 marks in History.

A - 11

B - 34

C - 45

D - 36

Answer : A

Explanation

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let there be n papers.
Sum of marks  of all papers = 63n
65-63n = (20+2) ⇒ 2n = 22 ⇒ n =11
Hence, its proves that the 11 papers held in exams.
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Hide Answer

Q 7 - A grocer has a sale of Rs. 6435, Rs. 6927, Rs. 6855, Rs. 7230 and Rs. 6562 for 5 consecutive months. How much sale must be have in the sixth month so that he gets an average sale of Rs. 6500?

A - 6991

B - 6001

C - 5991

D - 4991

Answer - D

Explanation

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Total sale for 5 months = Rs. (6435 + 6927 + 6855 + 7230 + 6562) = Rs. 34009.
Therefore Required sale = Rs. [(6500 6) - 34009] = Rs. (39000 - 34009) = Rs. 4491
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Hide Answer

Q 8 - Of the four numbers, the first is twice the second, the second is one-third of the third and the third is 5 times the fourth. The average of the numbers is 24.75. The largest of these numbers is?

A - none

B - 9

C - 25

D - 30

Answer - A

Explanation

Let the fourth number be z.
then, third number = 5z, second number = $^{5z}/_{3}$ and first number = $^{10z}/_{3}$
$z + 5z + {}^{5z}/_{3} + {}^{10z}/_{3} = (24.75 \times 4)$ or $11z = 99$ or $z = 9$
So, the numbers are 9, 45, 15, and 30.
Therefore Largest number = 45.

Show Answer

Q 9 - The average weight of A,B and C is 45 kg. If the average weight of A and B be 40kg and that of B and C be 43kg, then the weight of B is:?

A - 31

B - 26

C - 20

D - 17

Answer - A

Explanation

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Let A,B and C represent their respective weights. Then we have:
A + B + C = (45 x 3) = 135 ...(i)
A + B = (40 x 2) = 80 ...(ii)
B + C = (43 x 2) = 86 ...(i)
Adding (ii), (iii) we get : A + 2B + C = 166  ...(iv)

Subtracting (ii) from (iv), we get B = 31
∴ B's weight = 31kg.
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Show Answer

Q 10 The average age of a husband and his wife was 23 years at the same time of their marriage. After five years they have a one-year old child. The average age of the family now is?

A - 19

B - 23

C - 28.5

D - 29.3

Answer - A

Explanation

Sum of the present ages of husband, wife and child = (23 x 2 + 5 x 2) + 1 = 57 years.
required average = $^{57}/_{3}$
= 19 years.

Show Answer