1. 6 boys and 8 girls can do job in 10 days , 26 boys & 48 women do work in 2 days. Find time taken by 15 boys and 20 girls to do same work? (Cognizant)

A) 2 days B) 3 days C) 4 days D) none of these

Hint: - MDT/W (Comparing the work )

Answer C

2. The average of 7 consecutive numbers is 20. The largest of these numbers is : (Accenture)

A) 21 B) 22 C) 23 D) none of these

Hint: - Sum of all item/Total no. of item

Answer C

3. The average of five consecutive odd numbers is 61. What is the difference between the highest and lowest numbers : (Tech Mahindra)

A) 4 B) 8 C) 12 D) none of these

Hint: - Let the numbers be x, x + 2, x + 4, x + 6 and x + 8.

Answer B

4. A and B invest in a business in the ratio 3 : 2. If 5% of the total profit goes to charity and A's share is Rs. 855, the total profit is : (Cognizant)

A) 500 B) 1000 C) 1500 D) none of these

Hint: - Let the total profit be Rs. 100. After paying to charity, A's share = (95*3/5) = Rs. 57.

If A's share is Rs. 57, total profit = Rs. 100. If A's share is Rs. 855, total profit = (100/57*855) = 1500.

Answer C

5. If 4 (A's capital) = 6 (B's capital) = 10 (C's capital), then out of a profit of Rs. 4650, C will receive. (Accenture)

A) Rs.700 B) Rs.800 C) Rs.900 D) none of these

Hint: - Let 4A = 6B = 1OC = k. Then, A = k/4, B = k/6, and C =k/10 .

A : B :C = k/4 : k/6 : k/10 = 15 : 10 : 6. Hence, C's share (4650 * 6/31) = Rs, 900.

Answer C

6. A, B and C can do a piece of work in 24 days, 30 days and 40 days respectively. They began the work together but C left 4 days before the completion of the work. In how many days was the work completed? (Infosys)

A) 11 days B) 12 days C) 13 days D) none of these

Hint: - Find the efficiency of every one and then apply the equation (A+B+C)x + (A+B)4 = TW.

Answer A

7. 12 men can complete a work in 8 days. 16 women can complete the same work in 12 days. 8 men and 8 women started working and worked for 6 days. How many more men are to be added to complete the remaining work in 1 day? (Infosys)

A) 8 B) 12 C) 16 D) none of these

Hint: - 1 man's 1 day work =1/96 ; 1 woman's 1 day work = 1/192 Use LCm method to solve the question.

Answer B

8. The average weight of 8 persons increases by 2.5 kg when a new person comes in place of one of them weighing 65 kg. What might be the weight of the new person? (TCS)

A) 70 kg B) 75 kg C) 85 kg D) none of these

Hint: - Total weight increased = (8 x 2.5) kg = 20 kg.

Weight of new person = (65 + 20) kg = 85 kg.

Answer C

9. A, B, C started a business with their investments in the ratio 1:3 :5. After 4 months, A invested the same amount as before and B as well as C withdrew half of their investments. The ratio of their profits at the end of the year is : (TCS)

A) 1 : 2 : 3 B) 3 : 4 : 15 C) 5 : 6 : 10 D) none of these

Hint: - Let their initial investments be x, 3x and 5x respectively. Then, A:B:C = (x*4+2x*8) : (3x*4+(3x/2)*8) : (5x*4+(5x/2)*8)

20x : 24x : 40x = 5 : 6 : 10

Answer C

10. The average marks in science subject of a class of 20 students is 68. If the marks of two students were misread as 48 and 65 of the actual marks 72 and 61 respectively, then what would be the correct average? (Infosys)

A) 68.5 B) 69 C) 69.5 D) none of these

Hint: - Difference of marks = 72 + 61 –48 –65 = 20∴Correct average marks = 68 +20/20= 69

Answer B

11. The average weight of P, Q and R is 47 kg. If the average weight of P and Q be 32.5 kg and that of Q and R be 48.5 kg, then what is the weight of Q (in kgs)? (Cognizant)

A) 25 B) 29 C) 21 D) none of these

Hint: - use average formula

Answer C

12. Two pipes A and B can separately fill a cistern in 60 min and 75 min respectively. There is a third pipe in the bottom of the cistern to empty it. If all the three pipes are simultaneously opened, then the cistern is full in 50 min. In how much time, the third pipe alone can empty the cistern ? (Wipro)

A) 85 min B) 95 min C) 100 min D) none of these

Hint: - Work done by the third pipe in 1 min = 1/50 - (1/60 + 1/75) = - 1/100.

[-ve sign means emptying] The third pipe alone can empty the cistern in 100 min.

Answer C

13. A merchant has 1000 kg of sugar part of which he sells at 8% profit and the rest at 18% profit. He gains 14% on the whole. The Quantity sold at 18% profit is. (Infosys)

A) 400 kg B) 560 kg C) 600 kg D) none of these

Hint: - Use the rule of allegation

Answer C

14. The seven digit number M23798N is divisible by 88. What is the value of M and N. (Wipro)

A) 1 & 4 B) 4 & 3 C) 3 & 2 D) None of These

Hint: - Divisibility rule of 11 and 8

Answer A

15. Tea worth of Rs. 135/kg & Rs. 126/kg are mixed with a third variety in the ratio 1: 1 : 2. If the mixture is worth Rs. 153 per kg, the price of the third variety per kg will be____? (TCS)

A) Rs. 169.50 B) Rs.1700 C) Rs. 175.50 D) none of these

Hint :- Use the rule of allegation

Answer C