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APTITUDE QUIZ

Q.1 If (4x-3y) : (2x+5y) = 12 : 19 then x : y is.......

(A) 2:3

(B) 1 : 2

(C) 3 : 2

(D) 2 : 1

Q.2 If x/5 = x/8, then (x +5) : (x + 8) is equal to......

(A) 3 : 5

(B) 13:8

(C) 8:5

(D) 5:8

Q.3 If x : y = 6 : 5, then (5x+3y) : (5x-3y) is equal to......

(A) 2 : 1

(B) 3 : 1

(C) 5 : 3

(D) 5 : 2

Q.4 What same number must be added to each term of the ratio 7 : 3 so that the ratio becomes 2 : 3?

(A) 1

(B) 2

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(C) 5

(D) can't be determined

Q.5 The ratio of the two numbers is 3 : 4 and their sum is 420. The greater of the two numbers is......

(A) 175

(B) 200

(C) 240

(D) 315

Q.6 Five bananas and four apples cost as much s three bananas and seven apples. The ratio of the cost of one banana to that of one apple is.......

(A) 3 : 2

(B) 4 : 3

(C) 3 : 4

(D) 1 : 3

Q.7 The speeds of three cars are in the ratio 5 : 4 : 6 . The ratio between the times taken by them to travel the same distance is.......

(A) 5 : 4 : 6

(B) 6 : 4 : 5

(C) 10 : 12 : 15

(D) 12 : 15 : 10

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Q.8 A dog takes 3 leaps for every 5 leaps of a hare. If one leap of the dog is equal to 3 leaps of the hare, the ratio of the speed of the dog to that of the hare......

(A) 8 : 5

(B) 9 : 5

(C) 8 : 7

(D) 9 : 7

Q.9 Rs. 180 contained in a box consists of one rupee, 50 paise and 25 paise coins in the proportion of 2 : 3 : 4. What is the number of 50 paise coins?

(A) 120

(B) 150

(C) 180

(D) 240

Q. 10 In a school, 10% of the boys are same in number as ¼ of the girls and 10% of the girls are same in number as 1/25 of the boys. What is the ratio of boys to girls in that school?

(A) 3 : 2

(B) 5 : 2

(C) 2 : 1

(D) 4 : 3

Q.11 Two numbers are in the ratio 3 : 4 and the product of their LCM and HCF is 10800. The sum of the numbers is......

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(A) 180

(B) 210

(C) 225

(D) 240

Q. 12 The ages of x and y are in the ratio of 3 : 1. 15 years hence, the ratio will be 2 : 1. Their present ages (in years) are.....

(A) 30, 10

(B) 45, 15

(C) 21, 7

(D) 60, 20

Q.13 Gold is 19 times as heavy as water and copper is 9 times as heavy as water. In what ratio should there be mixed to get 15 times as heavy as water.

(A) 1 : 1

(B) 2 : 3

(C) 1 : 2

(D) 3 : 2

Q.14 85 liters of a mixture contains milk and water in the ratio 27 : 7. How much water is to be added to get a new mixture containing milk and water in the ratio 3 :1?

(A) 5 lt

(B) 6.5 lt

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(C) 7.25 lt

(D) 8 lt

Q.15 A and B are two alloys of gold and copper prepared by mixing metals in the ratio 7 : 2 and 7 : 11 respectively. If equal quantities of the alloys are melted to form a third alloy C, then ratio of gold and copper in C will be....

(A) 5 : 9

(B) 5 : 7

© 7 : 5

(D) 9 : 5

Q.16 A mixture contains milk and water in the ratio 5 : 1. On adding 5 liters of water, the ratio of milk to water becomes 5 : 2. The quantity of milk in the original mixture is....

(A) 16 lt.

(B) 25 lt.

(C) 22.75 lt.

(D) 32.5 lt.

Q.17 The LCM and HCF of two numbers x and y are l and h respectively. Then....

(A) l : h = x : y

(B) x : h = l : y

(C) x : l = y : h

(D) x : h = y : l

Q. 18 If a + b : b + c : c + a = 6 : 7 : 8 and a +b +c = 14, then the value of c is.....

(A) 6

(B) 7

(C) 8

(D) 14

Q.19 Which of the following is greatest 3 : 4, 5 : 6, 6 : 7, 4 : 5?

(A) 3 : 4

(B) 4 : 5

(C) 5 : 6

(D) 6 : 7

Q.20 The ratio between the numbers is 3 : 4 and the sum of their squares is 625. The numbers are......

(A) 6, 8

(B) 15, 20

(C) 18, 24

(D) 20, 25

ANSWERS

1. C

2. D

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3. B

4. D

5. C

6. A

7. D

8. B

9. A

10. B

11. B

12. B

13. D

14. A

15. C

16. B

17. B

18. A

19. D

20. B