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1) Pencils, Pens and Exercise books in a shop are in the ratio of 10: 2 : 3. If there are 120 pencils, the number of exercise books in the shop is:

- a) 26 b) 36
c) 46 d) 56

2) The incomes of two persons A and B are in the ratio 3 : 4. If each saves Rs.100 per month, the ratio of their expenditures is Rs. 1 : 2. Find their incomes.

- a) Rs. 100 and Rs.150
b) Rs. 150 and Rs.200
c) Rs.200 and Rs.250
d) Rs.250 and Rs.300

3) In a class of 39 students the ratio of boys and girls is 2 : 1. Radhika ranks 15th among all the students from top and 8th among girls from bottom. How many boys are there below Radhika ?

- a) 9 b) 17
c) 11 d) 15

4) Three cats are roaming in a zoo n such a way that when cat A takes 5 steps, B takes 6 steps and C takes 7 steps. But the 6 steps of A are equal to the 7 steps of B and 8 steps of C. what is the ratio of their speeds?

- a) 140:144:147 b) 40:44:47
c) 15:21:28 d) 252:245:240

5) In Maa Yatri Temple every devotee offers fruits to the orphans. Thus every orphan receives bananas, oranges and grapes in the ratio of 3:2:7 in terms of dozens. But the weight of a grape is 24 gm and weight of a banana and an orange are in the ratio of 4:5, while the weight of an orange is 150gm. Find the ratio of all the three fruits in terms of weight, that an orphan gets

- a) 90:75:42 b) 180:150:82
c) 75:42:90 d) None of these

6) 64 boys and 40 girls form a group for social work. During their membership drive, the same number of boys and girls joined the group. How many members does the group have now, if the ratio of boys to girls is 4:3 ?

- a) 168 b) 201
c) 147 d) 154

7) If a: b = 5: 9 and b: c = 7: 4, then find a: b: c.

- a) 35:63:36 b) 60:70:93
c) 34:86:89 d) 23: 74:53

8) Divide Rs. 981 in the ratio 5: 4

- a) 45 : 56 b) 50 : 98
c) 545 : 436 d) 432 : 654





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9) Divide Rs. 672 in the ratio 5 : 3.

- a) 252,420 b) 254,487
c) 273,456 d) 287,420

10) Divide Rs. 1162 among A, B, C in the ratio 35 : 28 : 20.

- a) $a=500, b=390, c=240$
b) $a=490, b=392, c=280$
c) $a=498, b=396, c=287$
d) $a=491, b=372, c=286$

11) $1:3 = 1\frac{2}{3}:x$. The value of x is?

- a) 1 b) 3
c) $4\frac{1}{6}$ d) 5

12) What number has a 5:1 ratio to the number 10?

- a) 42 b) 50
c) 55 d) 62

13) . If $a:b = 7:5$, $b:c = 9:11$, find $a:b:c$?

- a) 63: 14: 55 b) 63: 45: 55
c) 14: 14: 15 d) 7: 14: 15

14) The inverse ratio of 3: 2: 1 is?

- a) 1:2:3 b) 2:3:1
c) 3:1:2 d) 2:3:6

15) The third proportional to 1 and 2 is?

- a) 2 b) 3
c) 4 d) 1

16) The ratio of two numbers is 2:3 and the sum of their cubes is 945. The difference of number is?

- a) 3 b) 4
c) 5 d) 6

17) The ratio of the number of ladies to gents at a party was 1:2 but when 2 ladies and 2 gents left, the ratio became 1:3. How many people were at the party originally?

- a) 36 b) 24
c) 12 d) 6

18) A, B and C play a cricket match. The ratio of the runs scored by them in the match is $A:B = 2:3$ and $B:C = 2:5$. If the total runs scored by all of them are 75, the runs scored by B are?

- a) 15 b) 18
c) 21 d) 24

19) Rs.160 contained in a box consists of one rupee, 50 paise and 25 paise coins in the ratio 4:5:6. What is the number of 25 paise coins?

- a) 100 b) 115
c) 120 d) 110

20) The compound ratio of 5:6, 3:2 and 4:5?

- a) 12:13 b) 1:4
c) 1:5 d) 1:1





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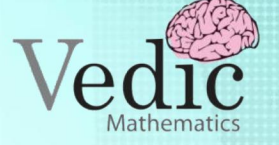
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21) Two numbers are in the ratio 3:5. If 9 be subtracted from each, they are in the ratio of 9:17. The first number is:

- a) 36 b) 27
c) 18 d) 30

22) The simple form of the ratio $\frac{2}{3}:\frac{2}{5}$ is?

- a) 10:6 b) 6:10
c) 3:5 d) 5:3

23) Two numbers are in the ratio of 5:7. If 25 be subtracted from each, they are in the ratio of 35:59. Find the numbers?

- a) 55,77 b) 45,63
c) 40,56 d) 60,84

24) Rs. 1300 is divided into three parts A, B and C. How much A is more than C if their ratio is $\frac{1}{2}:\frac{1}{3}:\frac{1}{4}$?

- a) Rs.100 b) Rs.200
c) Rs.300 d) Rs.600

25) Divide Rs.32000 in the ratio 3:5?

- a) 12000, 20000 b) 18000, 14000
c) 30000, 2000 d) 10000, 22000

26) The incomes of two persons A and B are in the ratio 3:4. If each saves Rs.100 per month, the ratio of their expenditures is 1:2. Find their incomes?

- a) 100, 200 B) 200, 300
c) 150, 200 d) 250, 300

27) 55. A bag contains a certain number of 50 paise coins, 20 paise coins and 10 paise coins in the ratio 2:3:4. If the total value of all the coins in the bag is Rs.400, find the number of coins of each kind?

- a) 50p coins = 400
20p coins = 600
10p coins = 800

- b) 50p coins = 300
20p coins = 700
10p coins = 200

- c) 50p coins = 800
20p coins = 400
10p coins = 200

- d) 50p coins = 400
20p coins = 500
10p coins = 300

28) 125 liters of a mixture of milk and water contains in the ratio 3:2. How much water should now be added so that the ratio of milk and water becomes 3:4?

- a) 20 liters b) 30 liters
c) 40 liters d) 50 liters





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29) Amar, Bhavan and Chetan divide an amount of Rs.5600 among themselves in the ratio 3:6:5. If an amount of Rs.400 is deducted from each of their shares, what will be the new ratio of their shares of the amount?

- a) 4:7:6 b) 1:4:3
c) 2:5:4 d) 5:11:9

30) Income and expenditure of a person are in the ratio 5:4. If the income of the person is Rs.18000, then find his savings?

- a) Rs.3600 b) Rs.3200
c) Rs.3000 d) Rs.3400

