



spardhaguru2022



Spardhaguru Current affairs



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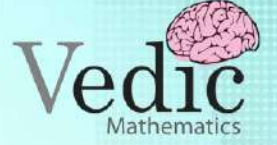
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26) A mixture contains alcohol and water in the ratio 4 : 3. If 5 liters of water is added to the mixture, the ratio becomes 4: 5. Find the quantity of alcohol in the given mixture.

- a) 10                      b) 12  
c) 15                      d) 18

27) The salaries of A, B, and C are in the ratio of 1 : 2 : 3. The salary of B and C together is Rs. 6000. By what percent is the salary of C more than that of A?

- a) 100 %                      b) 200%  
c) 300%                      d) 600%

28) A sum of Rs. 427 is to be divided among A, B and C such that 3 times A's share, 4 times B's share and 7 times C's share are all equal. The share of C is :

- a) 84                      b) 140  
c) 196                      d) 240

29) Seats for Mathematics, Physics and Biology in a school are in the ratio 5:7:8. There is a proposal to increase these seats by 40%, 50% and 75% respectively. What will be the ratio of increased seats ?

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

30) The third proportional to 9 and 12 is ?

- a) 14                      b) 16  
c) 18                      d) 20

31) If 76 is divided into four parts proportional to 7, 5, 3, 4, then the smallest part is:

- a) 12                      b) 15  
c) 16                      d) 19

32) 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 is :

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

33) Jo's collection contains US, Indian and British stamps. If the ratio of US to Indian stamps is 5 to 2 and the ratio of Indian to British stamps is 5 to 1, what is the ratio of US to British stamps?

- a) 10 : 5                      b) 15 : 2  
c) 20 : 2                      d) 25 : 2

34) If the ratio of the ages of two friends A and B is in the ratio 3 : 5 and that of B and C is 3 : 5 and the sum of their ages is 147, then how old is B?

- a) 27 Years                      b) 75 Years  
c) 45 Years                      d) 49 Years

35) The wages of labourers in a factory increases in the ratio 22:25 and there was a reduction in the number of labourers in the ratio 15:11. Find the original wage bill if the present bill is Rs. 5000 ?

- a) Rs. 5500                      b) Rs. 6000  
c) Rs. 6200                      d) Rs. 6350

36) A and B invests Rs.8000 and Rs.9000 in a business. After 4 months, A withdraws half of his capital and 2 months later, B withdraws one-third of his capital. In what ratio should they share the profits at the end of the year ?

- a) 21:29                      b) 41:54  
c) 32:45                      d) 37:51

37) In a college, the ratio of the number of boys to girls is 8 : 5. If there are 160 girls, the total number of students in the college is

- a) 100                      b) 250  
c) 260                      d) 416

38) In a competitive exam, the number of passed students was four times the number of failed students. If there had been 35 fewer appeared students and 9 more had failed, the ratio of passed and failed students would have been 2 : 1, then the total number of students appeared for the exam ?

- a) 175                      b) 165  
c) 155                      d) 145







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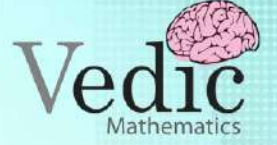
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39) The ratio of male and female in a city is 7 : 8 respectively and percentage of children among male and female is 25 and 20 respectively. If number of adult females is 156800, what is the total population of the city?

- a) 4,12,480                      b) 3,67,500  
c) 5,44,700                      d) 2,98,948

40) 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

42) 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

43) 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

44) 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

45) 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

46) 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

47) 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

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

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

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

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

50) 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

