



spardhaguru2022



Spardhaguru Current affairs



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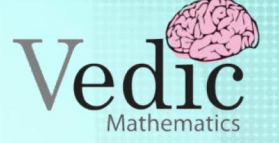
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1) Find the numbers which are in the ratio 3:2:4 such that the sum of the first and the second added to the difference of the third and the second is 21.

a) 12, 8, 16

b) 6, 4, 8

c) 9, 6, 24

d) 9, 6, 12

2) Some pens are divided among A, B, C and D. A gets twice the number of pens that B gets. C gets the same number of pens as D gets. If A gets 25 pens more than D and the ratio of the number of pens that B and C get is 2:3, then find the number of pens that D gets?

a) 100

b) 50

c) 75

d) 25

3) There are two positive numbers in the ratio 5 : 8. If the larger number exceeds the smaller by 15, then find the smaller number?

a) 25

b) 30

c) 20

d) 35

4) 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

5) Three numbers are in the ratio 5 : 6 : 7. The sum of its longest and smallest numbers equals the sum of the third number and 48. Find the third number?

a) 36

b) 42

c) 48

d) 54

6) 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

7) Find the numbers which are in the ratio 3 : 2 : 4 such that the sum of the first and the second added to the difference of the third and the second is 21 ?

a) 12, 8, 16

b) 6, 4, 8

c) 9, 6, 24

d) 9, 6, 12

8) Some pens are divided among A, B, C and D. A gets twice the number of pens that B gets. C gets the same number of pens as D gets. If A gets 25 pens more than D and the ratio of the number of pens that B and C get is 2 : 3, then find the number of pens that D gets ?

a) 100

b) 50

c) 75

d) 25E. None of these.

9) If $a : b : c = 2 : 3 : 4$ and $2a - 3b + 4c = 33$, then the value of c is





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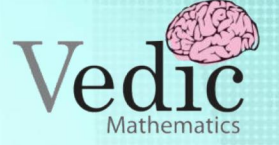
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a) 12

b) $\frac{66}{7}$

c) 9

d) 6

10) If $a : b = c : d = e : f = 1 : 2$, then $(3a + 5c + 7e) : (3b + 5d + 7f)$ is equal to

a) 1 : 4

b) 1 : 2

c) 2 : 1

d) 8 : 7

11) If $a : b = c : d$, then $\frac{ma+nc}{mb+nd}$ is not equal to

a) $\frac{a+c}{b+d}$

b) $\frac{c-a}{b-d}$

c) $\frac{c}{d}$

d) $\frac{a}{b}$

12) If $a : b = 5 : 7$ and $c : d = 2a : 3b$, then $ac : bd$ is :

a) 10 : 21

b) 50 : 151

c) 50 : 147

d) 20 : 38

13) The ratio of A to B is 4 : 5 and that of B to C is 2 : 3. If A equals 800, C equals

a) 1500

b) 2000

c) 1200

d) 1000

14) If two times of A is equal to three times of B and also equal to four times of C, then A : B : C is

a) 4 : 6 : 3

b) 6 : 4 : 3

c) 3 : 4 : 2

d) 2 : 3 : 4

15) The ratio $2^{1.5} : 2^{0.5}$ is the same as :

a) 6 : 1

b) 3 : 2

c) 3 : 1

d) 2 : 1

16) If $a : b : c = 7 : 3 : 5$, then $(a + b + c) : (2a + b - c)$ is equal to

a) 3 : 4

b) 5 : 4

c) 2 : 3

d) 1 : 2

17) A sum of money is to be distributed among A, B, C, D in the proportion of 5:2:4:3. If C gets Rs. 1000 more than D, what is B's share?

a) Rs. 500

b) Rs. 1500

c) Rs. 2000

d) None of these

18) A ratio equivalent of 2 : 3 is

a) 4 : 3

b) 2 : 6

c) 6 : 9

d) 10 : 9

19) The angles of a triangle are in the ratio 1 : 2 : 3. The measure of the largest angle is

a) 30°

b) 60°

c) 90°

d) 120°

20) Two numbers are in the ratio 7 : 9. If the sum of the numbers is 112, then the larger number is

a) 63

b) 42

c) 49

d) 72

21) Two ratio 384 : 480 in its simplest form is





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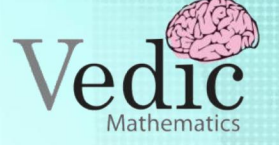
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a) 3 : 5

b) 5 : 4

c) 4 : 5

d) 2 : 5

22) If A, B, C, divide Rs 1200 in the ratio 2 : 3 : 5, then B's share is

a) Rs 240

b) Rs 600

c) Rs 380

d) Rs 360

23) If a bus travels 126 km in 3 hours and a train travels 315 km in 5 hours, then the ratio of their speeds is

a) 2 : 5

b) 2 : 3

c) 5 : 2

d) 25 : 6

24) The ratio of male and female employees in a multinational company is 5 : 3. If there are 115 male employees in the company, then the number of female employees is

a) 96

b) 52

c) 69

d) 66

25) Length and width of a field are in the ratio 5 : 3. If the width of the field is 42 m, then its length is

a) 50 m

b) 70 m

c) 80 m

d) 100 m

26) If $57 : x = 51 : 85$, then the value of x is

a) 95

b) 76

c) 114

d) None of these

27) The ratio of boys and girls in a school is 12 : 5. If there are 840 girls in the school, then the number of boys is

a) 1190

b) 2380

c) 2856

d) none of these

28) If 4, a, a, 36 are in proportion, then a =

a) 24

b) 12

c) 3

d) 24

29) If $5 : 4 :: 30 : x$, then the value of x is

a) 24

b) 12

c) $3/2$

d) 6

30) If a, b, c, d are in proportion, then

a) $ab = cd$

b) $ac = bd$

c) $ad = bc$

d) None of these

