

Revision test 1

*Required

1. Email *

2. Name *

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Questions

4. Daily earnings of two persons are in the ratio 4:5 and their daily expenses are in the ratio 7:9 . If each saves Rs. 50 per day, their daily earning in Rs. are 2 points

Mark only one oval.

40,50

50,40

400,500

none of these

5. If $a:b = c:d$ then its componendo is

2 points

Mark only one oval.

- $a:c = b:d$
- $a+b:b = c+d:d$
- $a-b:b=c-d:d$
- $b:a = d:c$

6. The ratio compounded of 4:9 and the duplicate ratio of 3:4 is

2 points

Mark only one oval.

- 1:4
- 1:3
- 3:1
- none of these

7. Two numbers are in the ratio of 3:5 and if 10 be subtracted from each of them, the remainders are in the ratio of 1:5, then the numbers are

2 points

Mark only one oval.

- 12,20
- 15,20
- 10,13
- 17,12

8. An alloy contains zinc and copper in the ratio 5 : 8 and another alloy contains zinc and copper in the ratio 5 : 3. If equal amounts of both the alloys are melted together, then the ratio of zinc and copper in the resulting alloy is: 2 points

Mark only one oval.

- 25:24
- 105:103
- 10:11
- 105:108

9. The mean proportional between 2 and 8 , 2 points

Mark only one oval.

- 4
- 16
- 3
- 1

10. If $2A = 3B = 4C$ then $A : B : C = \text{-----}$ 2 points

Mark only one oval.

- 2:3:4
- 6:4:3
- 3:2:1
- 4:6:7

11. The ratio of work done by $(x + 2)$ men in $(x - 2)$ days to that of $(x - 1)$ men in $(x + 1)$ days is 4:5, the value of x is 2 points

Mark only one oval.

±4

16

4

8

12. If the ratio of A and B is 3:5 then 2 points

$$\left(\frac{1}{x} + \frac{1}{y}\right) : \left(\frac{1}{x} - \frac{1}{y}\right)$$

Mark only one oval.

2

4

6

8

13. The Third Proportional to 15 and 20 is 2 points

Mark only one oval.

80/3

80

80/7

120

14. The ratio of the earnings of two persons 3:2. If each saves $\frac{1}{5}$ th of their earnings, the ratio of their savings. 2 points

Mark only one oval.

2:3

3:2

4:5

5:4

15. if $A : B = 3 : 5$ and $B : C = 5 : 4$, $C : D = 2 : 3$ and D is 50% more than E, find the ratio between A and E 2 points

Mark only one oval.

2:3

3:4

4:5

3:5

16. If $x : y = 2 : 3$, then find $(5x+2y) : (3x-y)$ 2 points

Mark only one oval.

$\frac{13}{3}$

$\frac{16}{3}$

$\frac{19}{3}$

$\frac{7}{3}$

17. A bag contains Rs.187 in the form 1 rupee, 50 paise and 10 paise coins in the ratio 3:4:5. Find the number of each type of coins. 2 points

Mark only one oval.

- 102,136,170
- 136,102,170
- 170,102,136
- none

18. The ratio of 1year6month : 2years :2year6month is 2 points

Mark only one oval.

- 3:4:5
- 2:3:5
- 2:3:4
- 1:2:3

19. If twice of a money of A = 5 times of money of B , then the ratio of A to that B is 2 points

Mark only one oval.

- 2:5
- 15:25
- 12:30
- 5:2

20. If x is the mean proportional between $x-2$ and $x+6$ then the value of x is 2 points

Mark only one oval.

- 4
- 3
- 2
- 1

21. A ratio equivalent to $3 : 7$ is: 2 points

Mark only one oval.

- 3:9
- 6:10
- 9:21
- 18:49

22. In a library, the ratio of number of story books to that of non-story books was $4:3$ and total number of story books was 1248. When some more story books were bought, the ratio became $5:3$. Find the number of story books bought. 2 points

Mark only one oval.

- 312
- 321
- 936
- 1560

23. x varies inversely as y and if $x = 3$ then $y = 4$. If $y = 6$ then the value of x is 2 points

Mark only one oval.

- 3
- 1
- 2
- 2.5

24. If p varies inversely as q , it is written as 2 points

Mark only one oval.

- $p \propto 1/q$
- $q \propto 1/2p$
- $p^2 \propto q^2$
- none

25. Three numbers are in the ratio $5 : 7 : 12$ and the sum of the first and third numbers is greater than the second by 50. The sum of the three numbers is 2 points

Mark only one oval.

- 130
- 120
- 128
- 125

26. If p varies directly as q and if $q = 2$ then $p = 4$. If $p = 2$, the value of q is 2 points

Mark only one oval.

- 1.5
- 2
- 1
- 3

27. If 3,x,27 are in continued proportion then $x =$ 2 points

Mark only one oval.

- 8
- 12
- 9
- 15

28. The ratio of 5kg 55gm to 35kg 50gm: 2 points

Mark only one oval.

- 5:7
- 1011:7010
- 111:710
- none of these

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