

## Examrace

### Aptitude Logical Reasoning Ratio and Proportion 2021 Competitive Exams Part 9

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1. The ratio of the number of boys and girls in a college is 7 : 8 . If the percentage increase in the number of boys and girls be 20% and 10% respectively. What will be the new ratio?

- A. 8 : 9
- B. 17 : 18
- C. 21 : 22
- D. Cannot be determined

Answer: C

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

- A. ₹ 500
- B. ₹ 1500
- C. ₹ 2000
- D. None of these

Answer: C

3. If 40% of a number is equal to two-third of another number, what is the ratio of first number to the second number?

- A. 2 : 5
- B. 3 : 7
- C. 5 : 3
- D. 7 : 3

Answer: C

4. Ratio of the earnings of A and B is 4 : 7 . If the earnings of A increases by 50% and those of B decreased by 25% , the new ratio of their earnings becomes 8 : 7 . What are A's

earnings?

- A. ₹ 21,000
- B. ₹ 26,000
- C. ₹ 28,000
- D. Data inadequate

Answer: D

5. The fourth proportional to 5,8, 15 is:

- A. 18
- B. 24
- C. 19
- D. 20
- E. 21

Answer: B

6.  $x$  varies inversely as square of  $y$ . Given that  $y = 2$  for  $x = 1$ . The value of  $x$  for  $y = 6$  will be equal to:

- A. 3
- B. 9
- C.  $\frac{1}{3}$
- D.  $\frac{1}{9}$

Answer: D

7. If 10% of  $x = 20\%$  of  $y$ , then  $x : y$  is equal to:

- A. 1 : 2
- B. 2 : 1
- C. 5 : 1
- D. 10 : 1

Answer: B

8. The salaries A, B, C are in the ratio 2 : 3 : 5. If the increments of 15%, 10% and 20% are allowed respectively in their salaries, then what will be new ratio of their salaries?

- A. 3 : 3 : 10
- B. 10 : 11 : 20
- C. 23 : 33 : 60
- D. Cannot be determined

Answer: C

9. If 40% of a number is equal to two-third of another number, what is the ratio of first number to the second number?

- A. 2 : 5
- B. 3 : 7
- C. 5 : 3
- D. 7 : 3

Answer: C

10. The fourth proportional to 5,8, 15 is:

- A. 18
- B. 24
- C. 19
- D. 20

Answer: B

11. Two number are in the ratio 3 : 5 . If 9 is subtracted from each, the new numbers are in the ratio 12 : 23 . The smaller number is:

- A. 27
- B. 33
- C. 49
- D. 55

Answer: B

12. In a bag, there are coins of 25 p, 10 p and 5 p in the ratio of 1 : 2 : 3 . If there is ₹ 30 in all, how many 5 p coins are there?

- A. 50
- B. 100
- C. 150

D. 200

Answer: C

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