

PRACTICE TEST PAPER - 2026

Subject: Mathematics **Class:** 7

Chapter: Ratio and Proportion

Test Code: 2026 : Ratio and Proportion : 7 : 003

Level: Intermediate to Advance **Time:** 45 Minutes

Instructions: Select the most appropriate option for each of the following 15 Multiple Choice Questions. Each question carries equal marks.

Q1. Simplify the continued ratio $1\frac{1}{2} : 2\frac{1}{4} : 3$ into its simplest whole number form.

- (A) 2 : 3 : 4
- (B) 6 : 9 : 12
- (C) 3 : 4 : 6
- (D) 4 : 6 : 9

Q2. If $2A = 3B = 4C$, then the ratio $A : B : C$ is:

- (A) 2 : 3 : 4
- (B) 4 : 3 : 2
- (C) 6 : 4 : 3
- (D) 3 : 4 : 6

Q3. For what value of x will the numbers $(x - 3)$, $(x + 1)$, $(x + 1)$, and $(x + 9)$ be in proportion?

- (A) 5
- (B) 7
- (C) 9
- (D) 11

Q4. An amount of Rs. 2,600 is divided among A, B, and C such that $A : B = 2 : 1$ and $B : C = 3 : 1$. How much does A receive?

- (A) Rs. 1,560
- (B) Rs. 780
- (C) Rs. 1,200
- (D) Rs. 1,800

Q5. On a map with a scale of $1 : 25,000$, two points are 4 cm apart. What is the actual distance between them in kilometers?

- (A) 100 km
- (B) 10 km
- (C) 1 km
- (D) 0.1 km

Q6. A hostel has enough food for 200 students for 50 days. After 10 days, 50 more students join the hostel. How many more days will the food last?

- (A) 32 days
- (B) 40 days
- (C) 30 days
- (D) 25 days

Q7. The angles of a quadrilateral are in the ratio $3 : 4 : 5 : 6$. Find the difference between the largest and the smallest angle.

- (A) 40°
- (B) 60°
- (C) 80°
- (D) 120°

Q8. Find the mean proportional between 0.08 and 0.18.

- (A) 0.12
- (B) 0.14
- (C) 0.16
- (D) 0.0144

Q9. A train covers a certain distance in 5 hours at a speed of 60 km/h. What should be the speed of the train to cover the same distance in 4 hours?

- (A) 72 km/h
- (B) 75 km/h
- (C) 80 km/h
- (D) 48 km/h

Q10. A man's monthly salary increases in the ratio $8 : 9$. If his original salary was Rs. 16,000, find his new salary.

- (A) Rs. 18,000
- (B) Rs. 20,000
- (C) Rs. 17,500
- (D) Rs. 19,200

Q11. In a library, the ratio of fiction to non-fiction books is $5 : 3$. There are 1,500 fiction books. How many more non-fiction books must be added so that the ratio becomes $1 : 1$?

- (A) 400
- (B) 500
- (C) 600

(D) 900

Q12. If 20 men can weave 120 meters of cloth in 6 days, how many meters of cloth can 35 men weave in 8 days?

- (A) 240 m
- (B) 280 m
- (C) 320 m
- (D) 350 m

Q13. If $x, 6, y$ are in continued proportion and $x, y, 48$ are also in continued proportion, find the value of $(x + y)$.

- (A) 12
- (B) 15
- (C) 18
- (D) 21

Q14. The ratio of a father's age to his son's age is 7 : 2. If the product of their ages is 504, find the father's current age.

- (A) 35 years
- (B) 42 years
- (C) 49 years
- (D) 28 years

Q15. A bag contains coins of 10p, 25p, and 50p in the ratio 5 : 4 : 2. If the total value of the coins is Rs. 120, find the number of 25p coins.

- (A) 48
- (B) 96
- (C) 192
- (D) 240

— End of Question Paper —