

# 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)  $40^\circ$   
(B)  $60^\circ$   
(C)  $80^\circ$   
(D)  $120^\circ$
- 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 —