PRACTICE TEST PAPER - 2026

Subject: Mathematics   **Class:** 7
Chapter: Ratio and Proportion
Test Code: 2026 : Ratio and Proportion : 7 : 005
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. Express the ratio $0.4 : 1.2 : 0.08$ in its simplest whole number form.

   (A) $4 : 12 : 8$

   (B) $10 : 30 : 2$

   (C) $5 : 15 : 1$

   (D) $40 : 120 : 8$

Q2. Find the fourth proportional to the numbers $5, 8,$ and 15.

   (A) 24

   (B) 20

   (C) 12

   (D) 30

Q3. If the numbers $x, 12, 18,$ and y are in proportion, and it is known that $x + y = 35$, find the value of $y - x$.

   (A) 13

   (B) 11

   (C) 9

   (D) 15

Q4. What is the ratio of $2^5 : 2^3$?

   (A) $5 : 3$

   (B) $4 : 1$

   (C) $2 : 1$

   (D) $8 : 1$

Q5. Divide Rs. 1,210 among A, B, and C such that $A : B = 5 : 4$ and $B : C = 9 : 10$. What is the share of C?

   (A) Rs. 450

   (B) Rs. 360

   (C) Rs. 400

   (D) Rs. 500

Q6. A group of 40 men has enough food provisions for 25 days. After 5 days, 10 men leave the group. For how many more days will the remaining food last?

(A) 20 days

(B) 25 days

(C) 26.6 days

(D) 30 days

Q7. If $3A = 4B = 5C$, then find the ratio $A : B : C$.

(A) $3 : 4 : 5$

(B) $5 : 4 : 3$

(C) $20 : 15 : 12$

(D) $15 : 12 : 20$

Q8. Calculate the mean proportional between the decimals 1.21 and 0.09.

(A) 0.33

(B) 0.11

(C) 1.1

(D) 0.3

Q9. In a 65 kg alloy of Zinc and Copper, the ratio of Zinc to Copper is $10 : 3$. How much Zinc (in kg) must be added to the alloy to make the ratio $4 : 1$?

(A) 2 kg

(B) 5 kg

(C) 7 kg

(D) 10 kg

Q10. The ratio of the speeds of two cars is $3 : 4$. If the first car covers 150 km in 5 hours, what is the speed of the second car?

(A) 40 km/h

(B) 30 km/h

(C) 45 km/h

(D) 37.5 km/h

Q11. The angles of a triangle are in the ratio $2 : 3 : 5$. The measure of the largest angle is:

(A) $54°$

(B) $90°$

(C) $108°$

(D) $72°$

Q12. Two numbers are in the ratio 7 : 11. If 7 is added to each number, the new ratio becomes 2 : 3. Find the smaller of the two original numbers.

(A) 49

(B) 77

(C) 35

(D) 21

Q13. If 15 identical pipes can fill a water tank in 24 minutes, how many such pipes are required to fill the same tank in 18 minutes?

(A) 12

(B) 18

(C) 20

(D) 22

Q14. The ratio of boys to girls in a school is 8 : 5. If there are 160 more boys than girls, find the total number of students in the school.

(A) 416

(B) 693

(C) 256

(D) 640

Q15. If the ratio of the areas of two squares is 16 : 25, what is the ratio of their perimeters?

(A) 16 : 25

(B) 25 : 16

(C) 4 : 5

(D) 2 : 5

— **End of Question Paper** —