



Subject: - Mathematics

TEST PAPER

CBSE-7th

Topic: - Ratio & Prop. And Unitary Method

Time: - 60mins, M.M:-25

(SECTION A – 1 MARK)

- If $3A = 5B$ and $4B = 6C$, then $A : C$ equals
i) 5 : 2 ii) 3 : 5 iii) 2 : 5 iv) 4 : 5
- A farmer sells 40 quintals of rice for Rs. 20,000. What quantity of rice (in quintals) would he sell in order to receive Rs. 24,000?
a) 45 b) 50 c) 60 d) 48
- Are 4.8, 2.4, 0.2, 0.1 in proportion? Yes or No.
- The fourth proportion to 1.2, 3.9 and 2 is
a) 6.5 b) 5.6 c) 1.6 d) 4
- Which ratio is smaller? 7 : 10 or 2 : 5

(SECTION B – 2 MARKS)

- Find the value of x in the proportion $2\frac{1}{2} : x :: 3\frac{1}{2} : 4$.
- Find the third proportion to $4\frac{1}{6}$, 25.
- Find the distance covered by a train in 15 minutes at a speed of 44 km per hour?

(SECTION C – 3 MARKS)

- There are 2500 students in a school. Out of them 1100 are girls and the rest are boys. Find the ratio of:
a) No. of boys to no. of girls.
b) No. of girls to no. of students.
c) No. of students to number of boys.
- 26 cartons of 15 chocolates each cost Rs. 2145. Find the cost of 40 cartons of 18 chocolates each.

(SECTION D – 4 MARKS)

- By mistake instead of dividing Rs. 117 among A, B and C in the ratio $\frac{1}{2} : \frac{1}{3} : \frac{1}{4}$, it was divided in the ratio 2 : 3 : 4. Who gained the most and by how much?
- 1200 soldiers in a fort had enough food for 28 days. After 4 days, some soldiers were transferred to another fort and thus the food lasted for an extra 32 days. How many soldiers left the fort?