



Subject: - Mathematics

TEST PAPER

CBSE-7th

Topic: - Linear Equations

Time: - 60mins, M.M:-40

(SECTION A – 1 MARK)

- What value of t would make the expressions $4t + 5$ and $-t + 15$ equals ?
a) 1 b) -2 c) 2 d) 1
- If $z + \frac{1}{4} = 1\frac{1}{4}$, find $3z$.
a) 12 b) $\frac{3}{4}$ c) 9 d) 3
- One – fourth of a number plus 3 gives 4. The number is
a) 16 b) 12 c) 4 d) 1
- If $6.2a = 0.0124$, then a equals: -
a) 0.2 b) 20 c) 0.002 d) 0.02
- The sum of the angles of triangle is 180° . If the three angles are $(2x + 15)^\circ$, 85° and $(x + 20)^\circ$, the value of x is: -
a) 60° b) 30° c) 20° d) 10°

(SECTION B – 2 MARKS)

- Solve: $-1.9x + 3.6 = 2.5x + 3$
- The sum of two consecutive number is 53. Find the numbers.
- The sum of Ritu's age and Ashu's age is 25. Ritu is 12 years old. Write an equation to find Ashu's age.

(SECTION C – 3 MARKS)

- Mr. Grover is three times as old as his son and the sum of their ages is 48. How old is each?
- Solve: $-3 - 5x + 2x = -2 - 2(1 - x)$

(SECTION D – 4 MARKS)

- If $\frac{5m-2}{2} = -11$, find the value of $2m + 3$.
- Four times Sonu's age decreased by 3 is equal to 3 times his age increased by 7. How old is Sonu?