

SHRI DHARMASTHALA MANJUNATHESHWARA SCHOOL , ASHOKNAGAR

GRADE : 8

PRACTICE WORKSHEET

LINEAR EQUATIONS IN ONE VARIABLE

- 1) Solve :
- 1) $x / 4 + x / 6 = x - 7$
 - 2) $2 / 3 x + 1 = 7 / 3$
 - 3) $15 / 4 - 7x = 9$
 - 4) $2x / 3 + 1 = 7x / 15 + 3$
 - 5) $2y / 3 + 5 / 3 = 26 / 3 - y$

- 2) Simplify the following linear equation :
- 1) $3(3x + 5) + 5(2x - 9) = 3(4x - 3) - 15$
 - 2) $p + 1 / 5 - p - 1 / 3 = 1 + 2p / 2$
 - 3) $n / 2 + n / 3 = 35 - n + 30 / 5$
 - 4) $2p / 25 - 3 / 5 = 5 / 5$
 - 5) $(z + 2)(z - 2) - z(z + 9) = 5$

- 3) Solve the linear equation and find the value of 't' :
- $$t + 3 / 4 - 3t - 4 / 5 + t - 3 / 3 = 0$$

- 4) Solve the equation and find the value of n: $9n - 7 = 3n + 5$

- 5) Solve the linear equation : $8n/3 - 3 = n/2 + 20$.

- 6) Solve: $4 - 3(4x + 2) = 3(5 - 2x) + 1$

- 7) Solve: $2x + 3 / 5 + 1 = x + 3 / 3$

- 8) Solve: $2x / 3 - x / 3 = x / 4 + 3 / 2$

- 9) Simplify and solve the linear equations:
- $$4(3p + 2) - 5(6p - 1) = 2(p - 8) - 6(7p - 4)$$