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| Subject : MATHEMATICS | Topic : LINEAR EQUATIONS IN ONE VARIABLE | Date of Worksheet : 06/05/2018 |
| Resource Person: Mrs. Indu.P |  |
| Name of the Student \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Class &Division: \_\_\_\_\_\_\_ | Roll Number : \_\_\_\_ |

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| SL.No. | **SECTION A [BASIC SKILLS]** |
| 1 . | 2x + 3x – 4x = |
| 2. | -2 + (3 + -4) = |
| 3. | 2( x + 6 ) =  |
| 4. | 4x = 12 , then the value of x is = |
| 5. | 6 x -4 + (-3 + 7) = |
| Sl.No. | **SECTION B – [CHAPTER BASED QUESTIONS]** | Marks |
| 1 | 3x – 7 = 2x + 1 | 1 |
| 2 | 4t + $\frac{3}{5}$= 5  | 1 |
| 3 | 7y+ $\frac{3}{4}$ = $\frac{3}{2}$ y + 7 | 2 |
| 4 | $\frac{2+m}{3+m} $= 5 | 2 |
| 5 | $\frac{4 z+7}{9-3 z} $= $\frac{1}{4}$ | 2 |
| 6 | $\frac{2}{5}$(x + 10 ) = 2x + 3 | 2 |
| 7 | 5 ( 2p – 1 ) + 3 ( 4p + 3 ) = 5 ( 4p – 1 ) | 2 |
| 8 | 3y + $\frac{2}{3}$ = 2y + 1 | 2 |
| 9 | $\frac{x-5}{2}$ - $\frac{ x-3}{5}$ = $\frac{ 1}{ 2}$ | 3 |
| 10 | $\frac{3 x+5}{5}$ – $\frac{x-2}{3}$ = $\frac{5 x-7 }{6}$ | 3 |
| 11 | Solve(2x-2)+(3x-3) +(9x-9)=  1 | 2 |
| 12 | A number when added to its half gives 72 . Find the number . | 3 |
| 13 | The sum of three consecutive even numbers is 42 . Find the numbers. | 3 |
| 14 | The denominator of a rational number is greater than its numerator by 3. If 3 is subtracted from the numerator and 2 is added to its denominator , the new number becomes 1/5. Find the original number.  | 4 |
| 15 | The length of a rectangle is 15cm more than its breadth. If the perimeter of the rectangle is 150cm , find the length and breadth of the rectangle | 4 |
| 16 | 4 years ago my father’s age was 4 times that of my age. At present the sum of my father’s age and that of mine is53 years. What is my father’s present age ? | 4 |
| 17  | The number of boys and girls in a class are in the ratio 5 : 4. If the number of boys is 9 more than the number of girls , find the total number of children in the class. | 3 |
| **SECTION C [HOT QUESTIONS]** |
| 1 | The sum of the digits of a 2- digit number is 6 . On reversing its digits , the new number is 18 less than the original number. Find the original number.  | 4 |
| 2 | Of the three angles of a triangle the second one is 1/3 of the first and the third one is 26 ° more than the first. Find the three angles.  | 4 |
| 3 | One-fourth of a flock of birds have gone to the forest. One-third of the total number are eating seeds in the field and remaining 15 are drinking water on the bank of a pond . Find the total number of birds . | 4 |
| 4 | A total of Rs. 50000 is to be distributed among 200 persons as prizes. The prizes are comprised are of either Rs.500 or Rs. 100 . Find the number of each type of prizes. | 4 |