

INTERNATIONAL INDIAN SCHOOL, RIYADH

WORK SHEET 2017-2018 ACADAMIC YEAR

Std. VII

SUBJECT: MATHEMATICS

CHAPTER - 4

Simple equations

- \_\_\_\_\_ is a condition on a variable.
- A \_\_\_\_\_ takes an different numerical values.
- If  $x - 4 = 7$ , then  $x =$  \_\_\_\_\_
- The highest power of a variable in a linear equation is \_\_\_\_\_.
- If  $\frac{x-2}{x+2} = \frac{3}{7}$ , then  $x =$  \_\_\_\_\_.
- If Sana has  $x$  marble and his friend Sahil has 5 more than his number of marbles then the number of marbles Sahil has \_\_\_\_\_.
- The one fifth of a number is 10, the number is \_\_\_\_\_
- If the sum of two consecutive even numbers is 94, then the larger number is \_\_\_\_\_
- If  $\frac{p}{-3} = 1$ , then the value of  $4p + 17 =$  \_\_\_\_\_
- Write the following statement in the form of an equations.
  - The sum of 3 times  $x$  and 5 is 16.
  - Five times a number  $n$  is 35.
  - The number  $x$  divided by 3 gives 11.
  - 5 substituted from  $y$  is 8.
- Solve the following equations.
  - $x - 3 = -8$
  - $7p = -28$
  - $\frac{m}{2} = \frac{5}{3}$
  - $\frac{10p}{3} = 20$
- 11 added to twice a number gives 45. Find the number?
- The length of the rectangle is 5cm more than its breadth. If the perimeter of the rectangle is 38cm. find the area?
- Solve he following
  - $5(-x + 1) = -8$
  - $2m - 5 = (-17)$

c)  $4x - 23 = 5$

d)  $3(n - 1) = 2n - 11$

15. The sum of two consecutive natural number is 177. Find them?
16. Anju mother is  $3\frac{1}{2}$  times old as Anju. After 2 years, anjus mother will be 3 times as old as she will be then, find their present age?
17. Sonu says that he has 7 marbles more than five times of the marbles monu has. Sonu has 37 marbles. How many marbles does monu have?
18. Leena's father's age is 3 years more than two times Lakshmi's age. Find Leena's age if her father age is 45?
19. In a cricket match. Player A scored twice the number of runs scored by player B. together they fell short of 5 runs for a double century. Find their scores?
20. Muna collected 89 stamps. She collected 5 stamps more than twice the number of stamps safa collected. How many stamps safa collected?

**Answers**

1)	2) variable	3) 11	4) 1	5) 5	6) $2x+5$	7) 50
8) 48	9) 5	10) a) $3x + 5 = 16$ b) $5n = 35$ c) $\frac{x}{3} = 11$ d) $y - 5 = 8$	11) a) -5 b) -4 c) $\frac{10}{3}$ d) 6	12) $x = 17$	13) $b = 7,84cm^2$	14) a) $\frac{13}{5}$ b) -6 c) 7 d) -8
15) 88, 89	16)	17) 6	18)	19)	20) 42	

Best of luck

