CHRIST SCHOOL – RAJKOT
2019-2020

STD: 7 **Chapter: 8 worksheet**
SUB: Mathematics **Simple Expressions**

A. Fill in the blanks:

1. L.H.S. of the equation 1–2x = 5x is.....
2. The value of a variable which satisfies an equation is called it's.....
3. If 7x + 42 = 91, then x =..... .
4. The solution of – 3 x = 4 is..... .
5. An equation has two sides..... and.....
6. In 5x – 3 = 27, adding 3 on both sides, is same as changing the side of..... .
7. The equation for "the number 18 is added to x to get 42" is..... .
8. The equation in which the highest power of the variable is 1 is known as..... .

B. The age of Raju's father is 8 years more than three times Raju's age. If Raju's father is 62 years old,

Then find Raju's age.

C. Think of a number. Add 10 to it and divide the sum by 5, the result is 5.what is the number?

D. The sum of present ages of Sunil and his father is 63 years. Seven years ago, Sunil's father was 6 times

As old as Sunil. Find their present ages.

E. Solve following. (Choose any method)

a. 6p - 4 = 14
b. 6 + 6 (y-1) = 36
c. 4(x - 5) – 2 = 14
d. 4 (z - 2) = 12
e. $\frac{x-3}{5} - 1 = 2$
f. -9 (a + 2) = 9

F. Check whether the value given in the bracket is a solution of the given equation.

(1) x + 5 = 10 (x = 5) (2) 3a + 9 = 8 (a= -1)

Answers

A. (1) 1-2X (2) root (solution) (3) 7 (4) $\frac{-4}{3}$ (5) LHS and RHS (6) -3 (7) X + 18 = 42 (8) linear equation.
B. 18 years
C. 15
D. Sunil's age =14 years, Sunil's father's age = 49 years
E. (a) 3 (b) 6 (c) 9 (d) 5 (e) 18 (f) -3
F. (1) yes (2) no