# INTERNATIONAL INDIAN SCHOOL BURAIDAH 

Worksheet for the Academic Year 2023-24

## CLASS: VII SUBJECT: MATHEMATICS DATE: 22-06-2023 LESSON: 4 - SIMPLE EQUATIONS

1. Write the equations for the following statements:
a) 5 times of a number is 60
b) 12 subtracted from a number is 23
c) 14 added to three times of a number is 2
d) 8 is subtracted from one fourth of a number, it gives 1
e) One - sixth of a number is -6
2. Write the following in the form of statements:
a) $3 x=-21$
b) $x-9=3$
c) $2 x-4=12$
d) $\frac{x}{3}+1=6$
3. Solve the equations by elimination method:
a) $x-4=-1$
(Ans: 3)
b) $9 x=6$
c) $\frac{x}{6}=-1$
(Ans: $\frac{2}{3}$ )
d) $6 x+1=7$
(Ans: -6)
e) $\frac{x}{2}+6=1$
4. Solve the equations by transposing Method:
a) $5(\mathrm{x}+3)=25$
b) $8 x-1=-11$
c) $2+3(x-3)=14$
d) $-3(x+2)=15$ (Ans: -10)
(Ans: 2)
e) $\frac{9 x}{5}-4=2$
(Ans: $\frac{-5}{4}$
(Ans: 7)
(Ans: -7)
(Ans: -10)
5. Solve the following:
a) If one more than five times of a number is 71 , Find the number?
(Ans:14)
b) If 3 is taken away from 5 times a number, the result is 17 . Find the number.
(Ans: 4)
c) Arun's father is 51 years old. If his present age is 9 more than twice the present age of Arun, what is Arun's present age?
d) The sum of two consecutive numbers is 53. Find the numbers
(Ans: 26,27)
e) The number of boys in a class is 11 more than the number of girls in the class. If there are 75 students in the class, Find the number of boys and girls
(Ans: B-43, G-32)
f) The length of a rectangle is 5 cm more than its breadth. If the perimeter of a rectangle is 96 cm , Find the length and breadth of the rectangle
(Ans: $26.5 \mathrm{~cm}, 21.5 \mathrm{~cm}$ )

## Answers:

1. a) $5 x=60$
b) $y-12=23$
c) $3 a+14=2$
d) $\frac{x}{4}-8=1$
e) $\frac{z}{6}=-6$
2. a) Three times of a number is -21
b) 9 is subtracted from a number is 3
c) 4 is subtracted from twice of a number is 12
d) One is added to one third of a number is 6
