





# INTERNATIONAL INDIAN SCHOOL BURAIDAH

Worksheet for the Academic Year 2024-25

CLASS: VI SUBJECT: MATHEMATICS DATE: 15- 02-2025

## LESSON: 11 ALGEBRA

- Find the rule that gives the number of matchsticks required to make the following patterns of numbers and letters
  - A pattern of number 3 as 
  - A pattern of number F as 
  - A pattern of number U as 
  - A pattern of number 2 as 
- In a park 6 flowerpots are arranged in each row. What is the rule that gives the number of flowerpots in the garden
- Amulya has 10 story books more than Atul. Express the number of storybooks Amulya has in terms of the number of storybooks Atul has
- There are 32 flats in one block of a housing colony. Find the rule that gives the total number of flats in that colony (take the number of blocks as  $b$ )
- On her birthday, Saritha distributed  $x$  chocolates in her class. After distributing them, she was left with 2 chocolates. How many chocolates did she bring to the class
- Ramya arranged an equal number of flowers in 10 vases. If she uses  $x$  flowers in total, how many flowers are there in one vase?
- The weight of a big box is 10Kg less than that of small box. Express the weight of big box in terms of the weight of small box
- The cost of a notebook is ₹10 more than the cost of a pencil box. Find the cost of notebook?
- Anju finished 4 problems more than Alok. If Alok finished ' $x$ ' problems, then find the number of problems finished by Anju
- Assume that the age of Rani is ' $x$ ' years.
  - What was her age 7 years ago?
  - What will be her age after 5 years?
  - If her brother is 3 years older than her, express his age in terms of Rani's age

Answers:

1. a)  $5n$

b)  $4n$

c)  $3n$

d)  $5n$

2.  $6x$

3.  $a + 10$

4.  $32b$

5.  $x + 2$

6.  $\frac{x}{10}$

7.  $x - 10$

8.  $p + 10$

9.  $x + 4$

10. a)  $x - 7$

b)  $x + 5$

c)  $x + 3$