



Affiliation No. 1130703
Academic session 2024-25
WORKSHEET-11

Name: _____

Class: 6 Div: _____

Prepared By: Ms. Snehal Devake

Date :

Subject: Math

Ch 11 – Algebra

Q.1) Find the rule which gives the number of matchsticks required to make the following matchsticks patterns. Use a variable to write the rule.

a) A pattern of letter X as

b) A pattern of letter R as

c) A pattern of letter H as

d) A pattern of letter K as

e) A pattern of letter N as

f) A pattern of letter W as

Q.2) The teacher distributes 7 pencils per students. Can you tell how many pencils are needed, given the number of students? (Use g for the number of students.)

Q.3) Gautami is drawing a dot Rangoli (a beautiful pattern of lines joining dots) with chalk powder. She has 5 dots in a row. How many dots will her Rangoli have for j rows? How many dots are there if there are 18 rows? If there are 25 rows?

Q.4) Rukmini is Arman's younger sister. Rukmini is 4 years younger than Arman. Can you write Rukmini's age in terms of Arman's age? Take Arman's age to be d years.

Q.5) Strawberry's are to be transferred from larger boxes into smaller boxes. When a large box is emptied, the Strawberry's from it fill two smaller boxes and still 17 Strawberry's remain outside. If the number of Strawberry's in a small box are taken to be c , what is the number of Strawberry's in the larger box?

Q.6) Radhika is drawing a dot Rangoli (a beautiful pattern of lines joining dots) with chalk powder. She has 15 dots in a row. How many dots will her Rangoli have for n rows? How many dots are there if there are 32 rows? If there are 19 rows?

SUBJECT TEACHER

HOD

CO-ORDINATOR

PRINCIPAL