

Class 6<sup>th</sup>

Date: 7<sup>th</sup> April 2021

Day: Wednesday

Mathematics

Ms. Shehla Bano

3. List the elements of the following sets. Also name the sets as A, B, C, etc.

(i) Counting numbers less than 10	(v) Numbers less than 25 and divisible by 5
(ii) Vowels in the word IMAGES	(vi) Colours in the rainbow
(iii) Letters of the word MANGO	(vii) Multiples of 3 less than 15
(iv) Colours of the national flag	

4. State which of the following form sets:

(i) Strong people in a town	(iv) Famous film actors
(ii) Students of a class	(v) The rivers of Punjab
(iii) Members of a Provincial Assembly	(vi) The honest people of a neighbourhood

Q#3

iv) colors of national flag

Solution:

$B = \{\text{Green, White}\}$  Ans

vii) Multiples of 3 less than 15

Solution:

$A = \{3, 6, 9, 12\}$  Ans

## Exercise 1b

1. Write the following sets in the tabular form:
- (i)  $M = \{x \mid x \text{ is the name of the President of Pakistan}\}$
  - (ii)  $N = \{x : x \text{ is a counting number less than } 6\}$
  - (iii)  $A = \{y : y \text{ is a multiple of } 3\}$
  - (iv)  $B = \{n : n \text{ is an even number less than } 10\}$
  - (v)  $C = \{x \mid x \text{ is a number divisible by } 3 \text{ and less than } 20\}$
  - (vi)  $D = \{x \mid x \text{ is a planet in the solar system}\}$
  - (vii)  $F = \{x \mid x \text{ is a day of the week}\}$
  - (viii)  $Q = \{y : y \text{ is the name of three countries beginning with } B\}$

Ex#1b     |: Such that

Q#1

i)  $M = \{x \mid x \text{ is the name of president of Pakistan}\}$

$M = \{\text{Sikandar Mirza, ayub Khan, Yahya Khan, Gen Zia ul haq, farooq Laghari, rafiq Tarar, Parvez Musharaf, Asif ali Zardari, Mamoon hussain, Arif Alvi}\}$

ii)  $N = \{x : x \text{ is a counting number less than } 6\}$

$N = \{1, 2, 3, 4, 5\}$

H.w

Ex#1b Q#1(iii-viii)