

Worksheet on Sets in Roster Form

Practice the worksheet on sets in roster form to write a set using the roster or tabular method. We know, to express the set in roster form the elements of a set are listed within the curly brackets and are separated by commas.

Now, let's practice the questions given in the worksheet on sets in Roster form.

1. Write each of the following sets in the Roster form:

- (i) The set of first seven natural numbers.
- (ii) The set of whole numbers less than 5.
- (iii) The set of five numbers each of which is divisible by 3.
- (iv) The set of whole numbers less than 20 and divisible by 3.
- (v) The set of integers greater than -2 and less than 4.
- (vi) The set of integers between -4 and 4.

- (vii) The set of letters in the word 'mathematics'.
- (viii) The set of consonants in the word 'possession'.
- (ix) The set of first three letters in the word 'booklet'.
- (x) $\{x : x \text{ is a letter in the word 'SCHOOL'}\}$.
- (xi) $\{x : x \text{ is an odd natural number between 10 and 20}\}$.
- (xii) $\{x \mid x = 1 - p, p \in M\}$.
- (xiii) $\{x \mid x = p^2, p \in W\}$.
- (xiv) $\{\text{Vowels used in the word 'AMERICA'}\}$
- (xv) $\{\text{Consonants used in the word 'MADRAS'}\}$.

(xvi) Set of prime factors of 36.

2. Express each given set in the Roster Form:

- (i) All prime numbers between one and twenty.
- (ii) The squares of first four natural numbers.
- (iii) Even numbers between 1 and 9.
- (iv) First eight letters of the English alphabets.
- (v) The letters of the word 'BASKET'.
- (vi) Names of months in a year.
- (vii) Four cities of America whose names start with the letter J.
- (viii) Any four closed geometrical figures names.
- (ix) Vowels used in the word 'MONDAY'
- (x) Single digit numbers which are perfect squares also.

3. Write in Roster Form the set of:

- (i) The first four odd natural numbers each divisible by 3.
- (ii) The first four odd natural numbers each divisible by 5.
- (iii) The counting numbers between 15 and 35, each of which is divisible by 6.
- (iv) The names of the last three days of a week.
- (v) The names of the last four months of a year.