

Exercise - 10 (c)

Q1. (i) $\{3, 6, 9, 12, 15, 18\}$

(ii) $\{-3, -2, -1, 0, 1, 2, 3\}$

(iii) $\{s, c, h, o, l\}$

(iv) $\{11, 13, 15, 17, 19\}$

(v) $\{A, E, \{a, e, i\}\}$

(vi) $\{m, d, \sigma, s\}$

Q2. (i) $\{2, 3, 5, 7, 11, 13, 17, 19\}$

(ii) $\{1^2, 2^2, 3^2, 4^2\} = \{1, 4, 9, 16\}$

(iii) $\{2, 4, 6, 8\}$

(iv) $\{a, b, c, d, e, f, g, h\}$

(v) $\{b, a, s, k, e, t\}$

(vi) $\{\text{jaipur, jodhpur, jalandhar, jhansi}\}$

(vii) $\{\Delta, \square, \square, \circ\}$

(viii) $\{o, a\}$

(ix) $\{0, 1, 4, 9\}$ as $0 = 0^2, 1 = 1^2, 4 = 2^2, 9 = 3^2$.

Q3. i) $\{x: x \text{ is an even natural no. less than } 12\}$

ii) $\{x: x \text{ is a prime no. less than } 12\}$

iii) $\{x: x \text{ is a month which starts with letter J}\}$

iv) $\{x: x \text{ is a vowel in english alphabet}\}$

v) $\{x: x \text{ is a name of day starting from letter T}\}$

vi) $\{x: x \text{ is a perfect square of natural no's upto } 25\}$

vii) $\{x: x \text{ is the natural no. upto } 30 \text{ and divisible by } 5\}$

Q4. i) $\{2, 3, 4, 6, 8, 12, 24\}$

ii) $\{x: x \text{ is all natural numbers that can divide } 24\}$

(i) $\{21, 23, 25, 27, 29, 31, 33\}$

$\{x: x \text{ is odd number between } 20 \text{ and } 35\}$

(ii) $\{c, a, l, u, t\}$

$\{x: x \text{ is a letter used in the word 'CALCULU'}\}$

(iii) $\{ \text{January, February, March, April, May} \}$

$\{x: x \text{ is a name of first five months of year}\}$

(iv) $\{16, 25, 36, 49, 64, 81\}$

$\{x: x \text{ is a perfect squares two digit numbers}\}$

(i) $\{5, 15, 25, 35\}$

(ii) $\{18, 24, 30\}$

(iii) $\{ \text{Friday, Saturday, Sunday} \}$

(iv) $\{ \text{September, October, November, December} \}$