

W
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Exercise 10-C

only answer

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

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

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

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

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

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

2. (i) $\{3, 5, 7, 9, 11, 13, 17, 19\}$

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

(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) ~~$\{0, a\}$~~ $\{\Delta, \square, \square, 0\}$

(iii) $\{0, a\}$

(iv) $\{0^2, 1^2, 4^2, 9^2\}$

3. (i) $\{x : x \text{ is the even numbers less than } 12\}$

(ii) $\{x : x \text{ is a Prime number less than } 10\}$

(iii) $\{x : x \text{ is the months that start with } j\}$

(iv) $\{x : x \text{ is the vowels}\}$

(v) $\{x : x \text{ is the days that start with 't'}\}$

(vi) $\{x : x \text{ is a Perfect Square natural number upto } 25\}$

(vii) $\{x : x \text{ are the first six multiples of } 5\}$

4. (i) Roster $\{1, 2, 3, 4, 6, 8, 12, 24\}$

Set-builder $\{x : x \text{ - the numbers that divide } 24 \text{ completely}\}$

(ii) Roster $\{21, 23, 26, 29, 31\}$

Set-builder $\{x : x \text{ is the odd number between } 20 \text{ and } 30\}$

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

Set-builder $\{x : x \text{ are the words in } \text{calcutta}\}$

iv) Roster: $\{ \text{January, February, March, April, May} \}$
 Set-builder: $\{ x : x \text{ is the name of the first five months of the year.} \}$

v) Roster: $\{ 16, 25, 36, 49, 64, 81 \}$
 Set-builder: $\{ x^2 : x \text{ is the Perfect square number} \}$.

~~5) (i) $\{ 5, 10, 15, 20, 25 \}$~~

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

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

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

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

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