

Sets

Q1. Write the following set in tabular form:

- i. P = Set of five vegetables $P = \{\text{onion, carrot, potato, garlic, ginger}\}$
- ii. R = Set of three bakery items $R = \{\text{pizza, biscuits, pastry}\}$
- iii. L = Set of your family $L = \{\text{father, mother, brother, sister}\}$
- iv. E = Set of seven girls $E = \{\text{Aliya, amna, Kiran, Asma, Sara, Sarah, Zara}\}$

Q2. Write the following in descriptive form.

- i. $D = \{\text{Guava, Melon, Strawberry}\}$ $D = \text{Set of three fruits}$
- ii. $J = \{0, 1, 2, 3, 4, 5\}$ $J = \text{Set of whole numbers}$
- iii. $U = \{\text{Hassan, Ali, Asad, Saad}\}$ $U = \text{Set of four boys}$
- iv. $K = \{2, 4, 6, 8, 10, 12\}$ $K = \text{Set of even numbers}$

Q3. List the elements of the sets given below:

- i. F = Set of four games $F = \{\text{cricket, Hockey, Football, Tennis}\}$
- ii. A = Set of two flowers $A = \{\text{Rose, Jasmine}\}$ Faislaabad
- iii. Z = Set of five cities of Pakistan $Z = \{\text{Lahore, Karachi, Multan, Quetta}\}$
- iv. T = Set of vowels $T = \{a, e, i, o, u\}$

Q4. Write $\in$ or $\notin$ to fill in the blanks:

- i. Dog $\notin$ Set of flowers.
- ii. $F \in \{E, F, G, H\}$
- iii. $4 \notin \{10, 12, 14, 16\}$
- iv. $3 \in \{1, 2, 3, 4, 5\}$