

The Punjab School-DRC
Class 7th
Math-Vacation Engaging Task

Define the following terms with example.

1. Sets.
2. Descriptive form of sets.
3. Tabular form.
4. Set builder notation.
5. Union of sets.
6. Intersection of sets.
7. Overlapping sets.
8. Disjoint sets.
9. Universal set.
10. Complement of set.

➤ Find (i) $A \cap B$ (ii) $A \cup B$

If $A = \{1,2,3,4,5,6\}$ $B = \{3,4,5,6,7,8\}$

➤ Verify associative law of union $(A \cup B) \cup C = A \cup (B \cup C)$

➤ If $A = \{a,b,c,d,e\}$ $B = \{c,d,e,f\}$ $C = \{a,b,x,y,z\}$

➤ If $U = \{1,2,3,4,5, \dots, 20\}$ $A = \{1,3,5,7,9\}$ $B = \{2,4,6,8,10\}$

Then find $(A \cap B)'$ and $(A \cup B)'$.