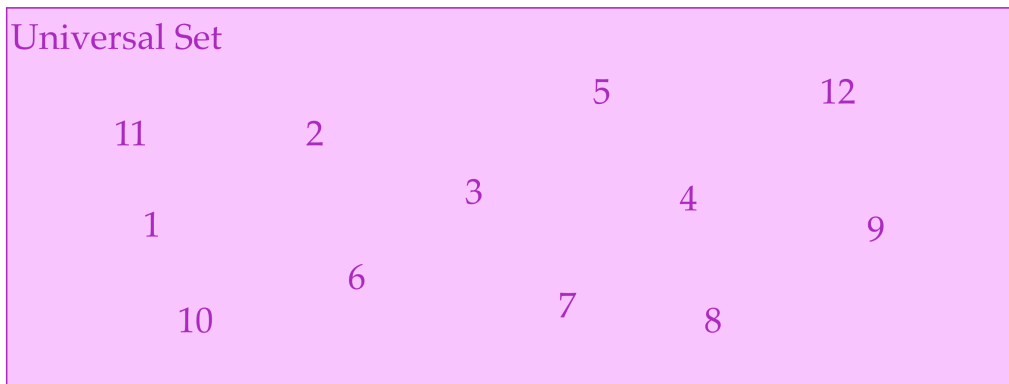


A **Venn Diagram** is a graphical way of showing a relationship between sets.

$$\text{set } U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12\}$$

$$\text{set } A = \{1, 2, 4, 5, 6, 7, 10\}$$

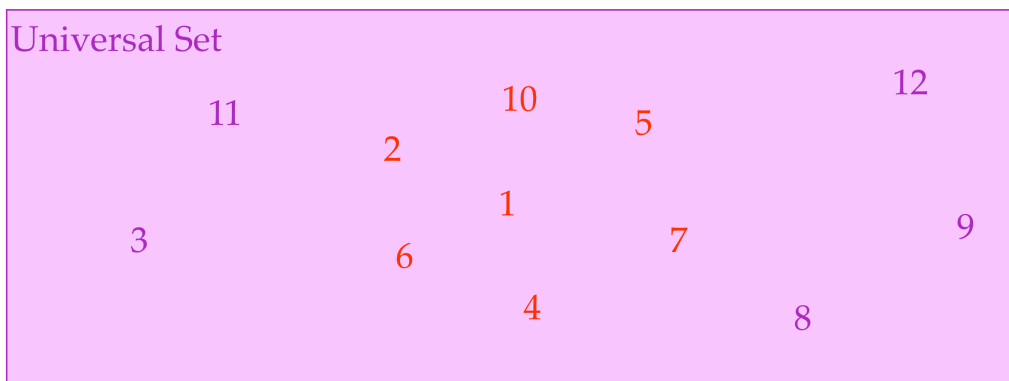


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$$\text{set } A = \{1, 2, 4, 5, 6, 7, 10\}$$

$$\text{set } A' = \{3, 8, 9, 11, 12\}$$



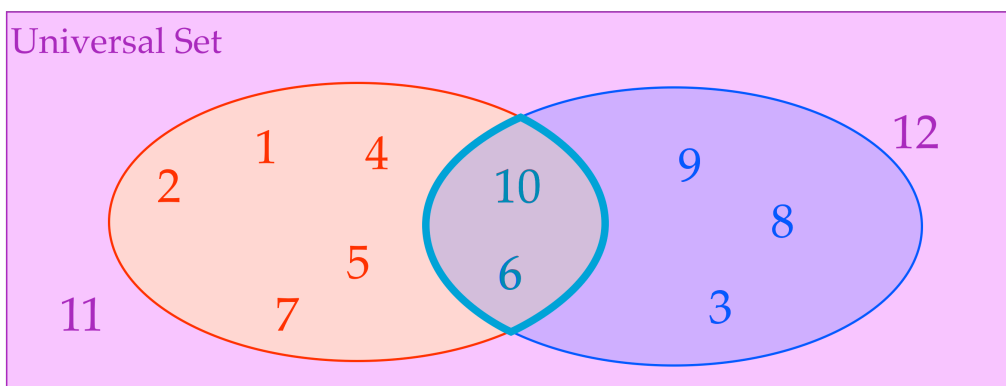
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$$\text{set } U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12\}$$

$$\text{set } A = \{1, 2, 4, 5, 6, 7, 10\}$$

$$\text{set } B = \{3, 6, 8, 9, 10\}$$

$$\text{Intersection of } A \text{ and } B = A \cap B$$



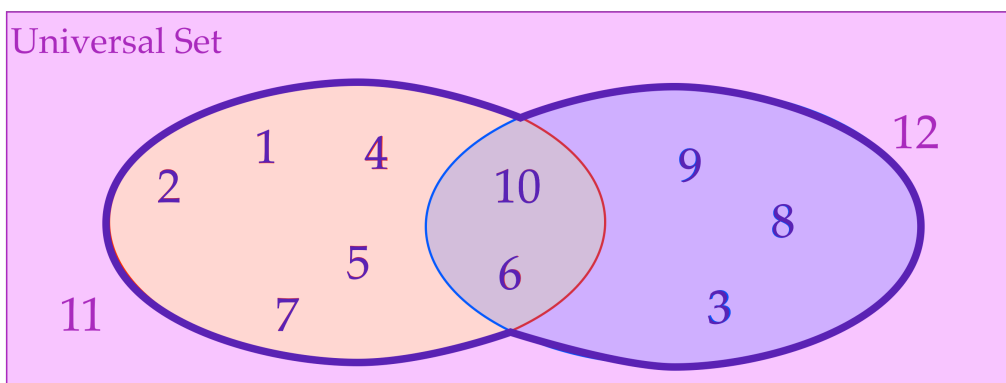
A **Venn Diagram** is a graphical way of showing a relationship between sets.

$$\text{set } U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12\}$$

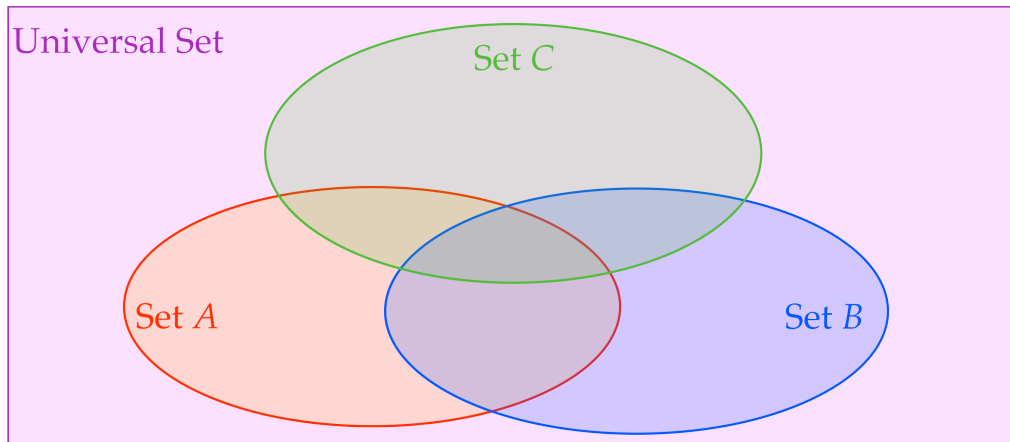
$$\text{set } A = \{1, 2, 4, 5, 6, 7, 10\}$$

$$\text{set } B = \{3, 6, 8, 9, 10\}$$

$$\text{Union of } A \text{ and } B = A \cup B$$

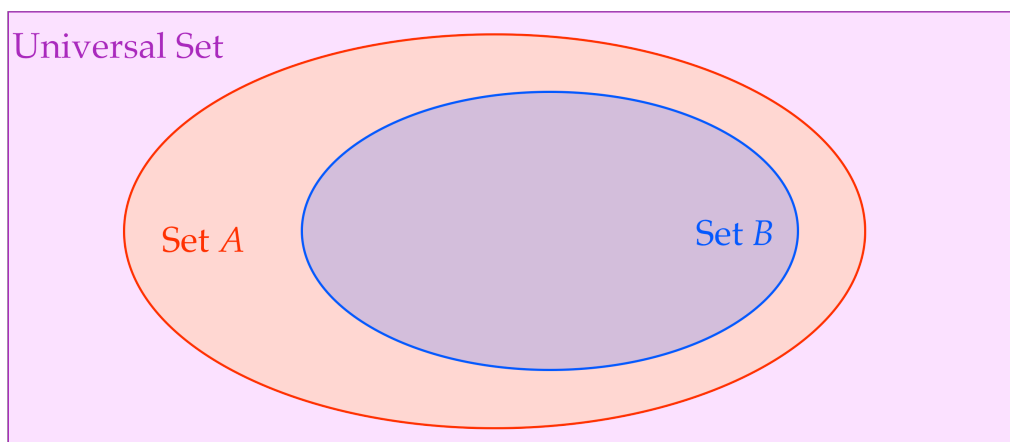


A **Venn Diagram** is a graphical way of showing a relationship between sets.



This **Venn Diagram** illustrated the relationship between A , B and C .

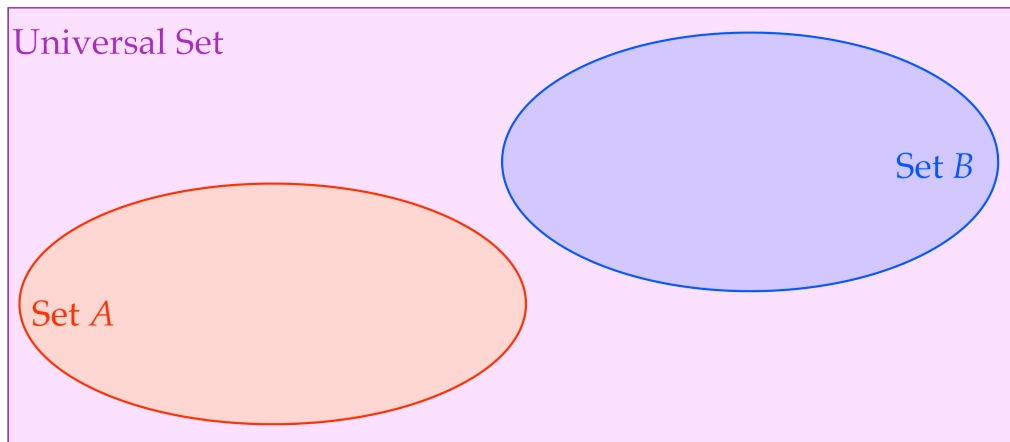
A **Venn Diagram** is a graphical way of showing a relationship between sets.



This **Venn Diagram** illustrated the relationship between A and B .

B is a proper subset of A $B \subset A$

A **Venn Diagram** is a graphical way of showing a relationship between sets.



This **Venn Diagram** illustrated the relationship between A and B .

A and B are considered disjoint sets $A \cap B = \emptyset$