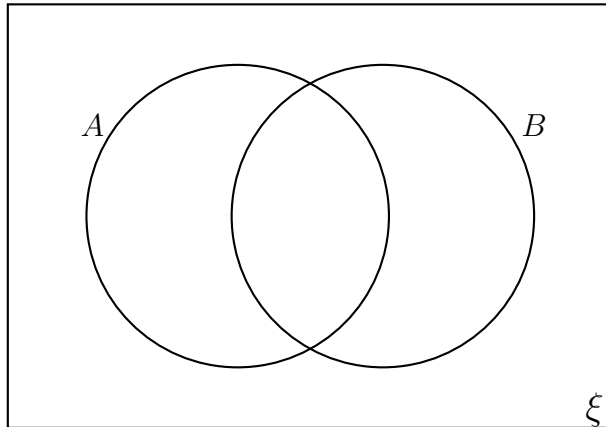1. Use the information beside the diagram to complete the Venn diagram below.

$\xi = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$

$A = \{1, 3, 5, 7, 9\}$

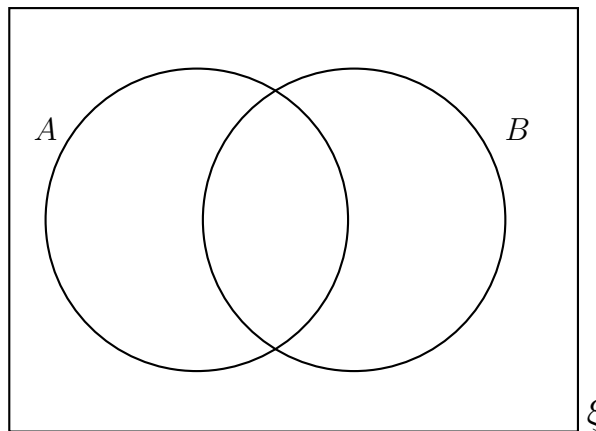$A \cap B = \{1, 9\}$

$A \cup B = \{1, 3, 4, 5, 7, 9\}$

2. Complete this Venn diagram with the information given below.

$\xi = \{\blacktriangle, \triangle, \blacklozenge, \blacksquare, \bigcirc, \heartsuit, \clubsuit, \spadesuit, \diamondsuit\}$
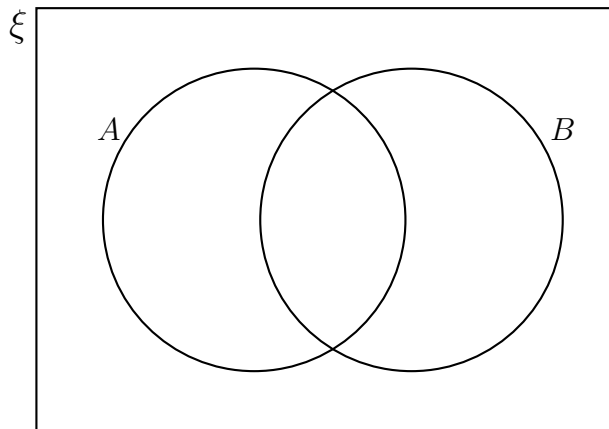
$A \cap B = \{\blacktriangle, \blacklozenge, \blacksquare\}$

$A \cup B = \{\blacktriangle, \triangle, \blacklozenge, \blacksquare, \clubsuit, \spadesuit, \diamondsuit\}$

$B = \{\blacktriangle, \triangle, \diamondsuit, \blacklozenge, \blacksquare\}$

3. Use the information beside the diagram to complete the Venn diagram below.

$\xi = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$

$A \cap B = \{1, 2\}$

$A \cup B = \{1, 2, 3, 4, 6, 8\}$

$B = \{1, 2, 4, 8\}$

Answers