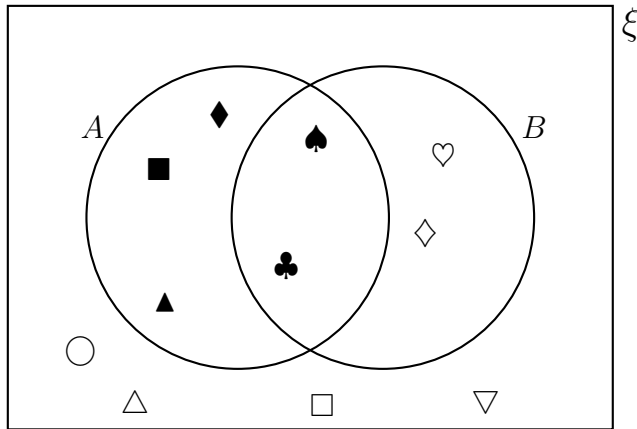


1. Here is a Venn diagram



Complete these sets

(i) $A = \{ \quad \quad \quad \}$

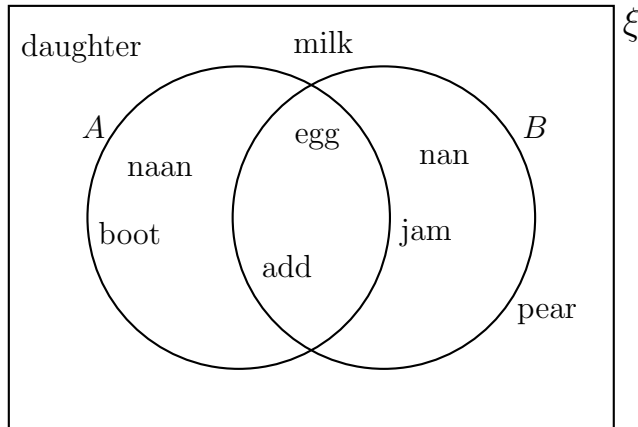
(ii) $B = \{ \quad \quad \quad \}$

(iii) $\xi = \{ \quad \quad \quad \}$

(iv) $B' = \{ \quad \quad \quad \}$

(v) $A \cap B = \{ \quad \quad \quad \}$

2. Here is a Venn diagram



Complete these sets

(i) $A = \{ \quad \quad \quad \}$

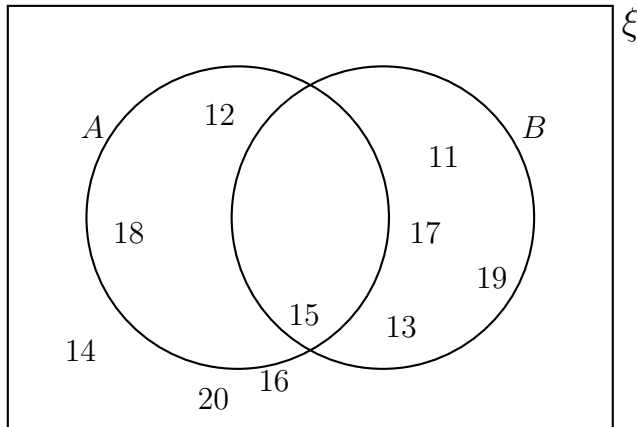
(ii) $B = \{ \quad \quad \quad \}$

(iii) $\xi = \{ \quad \quad \quad \}$

(iv) $A' = \{ \quad \quad \quad \}$

(v) $A \cap B = \{ \quad \quad \quad \}$

3. Here is a Venn diagram



Complete these sets

(i) $A = \{ \quad \quad \quad \}$

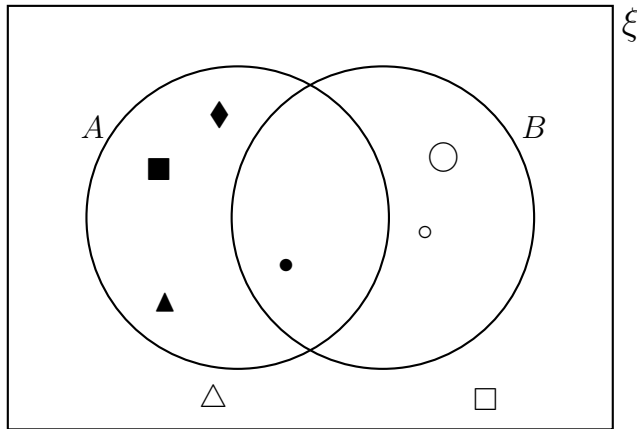
(ii) $B = \{ \quad \quad \quad \}$

(iii) $\xi = \{ \quad \quad \quad \}$

(iv) $B' = \{ \quad \quad \quad \}$

(v) $A \cap B = \{ \quad \quad \quad \}$

4. Here is a Venn diagram



Complete these sets

(i) $A = \{ \quad \quad \quad \}$

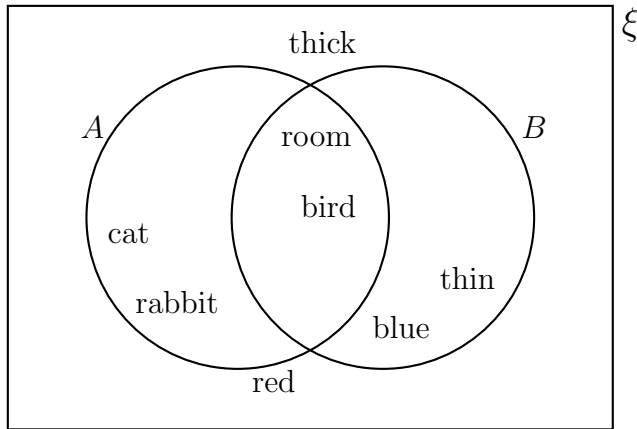
(ii) $B = \{ \quad \quad \quad \}$

(iii) $\xi = \{ \quad \quad \quad \}$

(iv) $A' = \{ \quad \quad \quad \}$

(v) $A \cap B = \{ \quad \quad \quad \}$

5. Here is a Venn diagram



Complete these sets

(i) $A = \{ \quad \quad \quad \}$

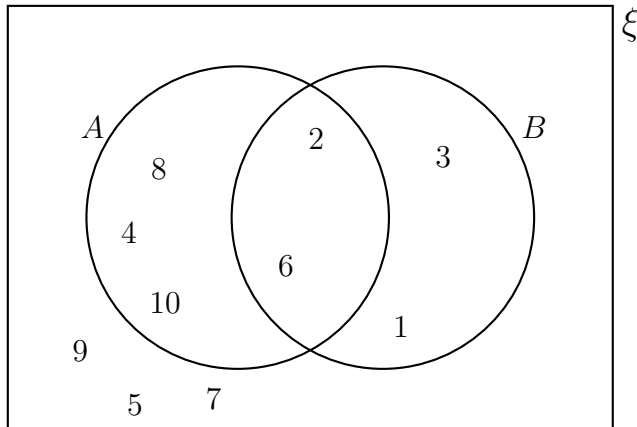
(ii) $B = \{ \quad \quad \quad \}$

(iii) $\xi = \{ \quad \quad \quad \}$

(iv) $B' = \{ \quad \quad \quad \}$

(v) $A \cap B = \{ \quad \quad \quad \}$

6. Here is a Venn diagram



Complete these sets

(i) $A = \{ \quad \quad \quad \}$

(ii) $B = \{ \quad \quad \quad \}$

(iii) $\xi = \{ \quad \quad \quad \}$

(iv) $B' = \{ \quad \quad \quad \}$

(v) $A \cap B = \{ \quad \quad \quad \}$

Answers:

Q1:

$$(i) A = \{\blacksquare, \blacklozenge, \blacktriangle, \clubsuit, \spadesuit\} \text{ OR } \{\text{black shapes}\}$$

$$(ii) B = \{\heartsuit, \diamondsuit, \clubsuit, \spadesuit\} \text{ OR } \{\text{suits of playing cards}\}$$

$$(iii) \xi = \{\clubsuit, \spadesuit, \circ, \triangle, \nabla, \blacktriangle, \heartsuit, \square, \blacksquare, \blacklozenge, \diamondsuit\}$$

$$(iv) B' = \{\circ, \triangle, \nabla, \blacktriangle, \square, \blacksquare, \blacklozenge\}$$

$$(v) A \cap B = \{\clubsuit, \spadesuit\}$$

Q2:

$$(i) A = \{\text{add, egg, boot, naan}\} \text{ OR } \{\text{words with a double letter}\}$$

$$(ii) B = \{\text{add, egg, jam, nan}\} \text{ OR } \{\text{3 letter words}\}$$

$$(iii) \xi = \{\text{add, boot, daughter, egg, jam, milk, naan, nan, pear}\}$$

$$(iv) A' = \{\text{daughter, jam, milk, nan, pear}\}$$

$$(v) A \cap B = \{\text{jam, nan}\}$$

Q3:

$$(i) A = \{12, 15, 18\} \text{ OR } \{\text{multiples of 3}\}$$

$$(ii) B = \{11, 13, 15, 17, 19\} \text{ OR } \{\text{odd numbers}\}$$

$$(iii) \xi = \{11, 12, 13, 14, 15, 16, 17, 18, 19, 20\} \text{ OR } \{\text{integers 11 to 20}\}$$

$$(iv) B' = \{12, 14, 16, 18, 20\} \text{ OR } \{\text{even numbers}\}$$

$$(v) A \cap B = \{15\}$$

Q4:

$$(i) A = \{\bullet, \blacksquare, \blacklozenge, \blacktriangle\} \text{ OR } \{\text{black shapes}\}$$

$$(ii) B = \{\bullet, \circ, \smallcirc\} \text{ OR } \{\text{circles}\}$$

$$(iii) \xi = \{\bullet, \circ, \bigcirc, \triangle, \blacktriangle, \square, \blacksquare, \blacklozenge\}$$

$$(iv) A' = \{\circ, \bigcirc, \triangle, \square\} \text{ OR } \{\text{white shapes}\}$$

$$(v) A \cap B = \{\bullet\} \text{ OR } \{\text{black circles}\}$$

Q5:

$$(i) A = \{\text{bird, cat, rabbit, room}\} \text{ OR } \{\text{nouns}\}$$

$$(ii) B = \{\text{bird, blue, room, thin}\} \text{ OR } \{\text{4 letter words}\}$$

$$(iii) \xi = \{\text{bird, blue, cat, rabbit, red, room, thick, thin}\}$$

$$(iv) B' = \{\text{cat, rabbit, red, thick}\}$$

$$(v) A \cap B = \{\text{bird, room}\}$$

Q6:

$$(i) A = \{2, 4, 6, 8, 10\} \text{ OR } \{\text{even numbers}\}$$

$$(ii) B = \{1, 2, 3, 6\} \text{ OR } \{\text{factors of 6}\}$$

$$(iii) \xi = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\} \text{ OR } \{\text{integers 1 to 10}\}$$

$$(iv) B' = \{4, 5, 7, 8, 9, 10\}$$

$$(v) A \cap B = \{2, 6\}$$