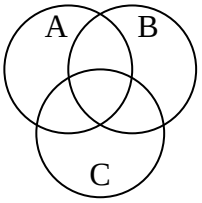
Shading Venn Diagrams

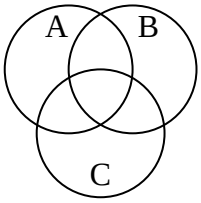
Name:

Shade the region shown.

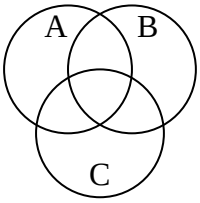
1) C∩B



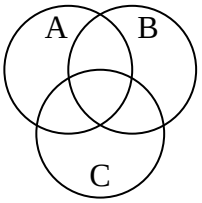
2) C∪A∪B



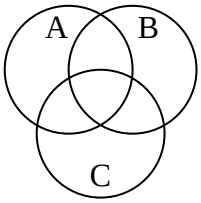
3) B∩(C-A)



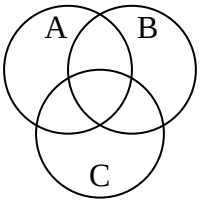
4) A-(B∪C)



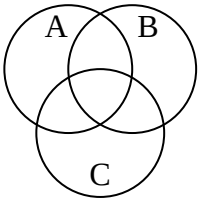
5) A∪(C-B)



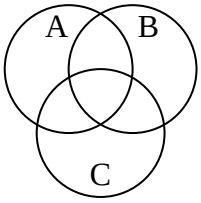
6) B∪(A-C)



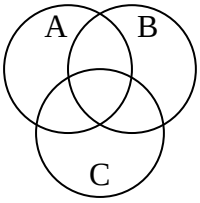
7) A-(B∩C)



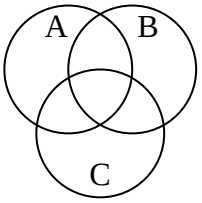
8) C∪(B-A)



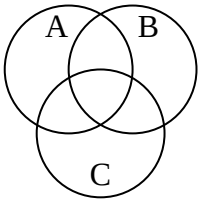
9) A∪(B-C)



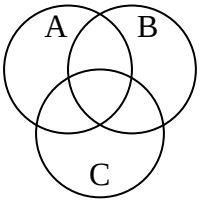
10) B∩(A-C)



11) B-(C∩A)



12) C∩B∩A



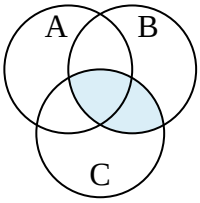
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

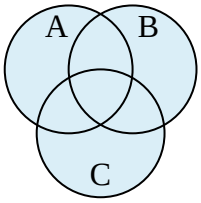
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Shade the region shown.

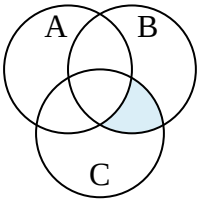
1) C∩B



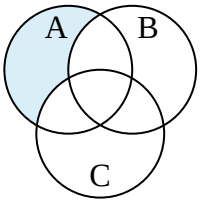
2) C∪A∪B



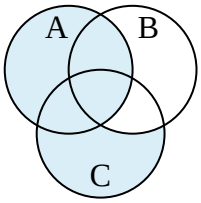
3) B∩(C-A)



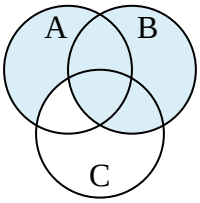
4) A-(B∪C)



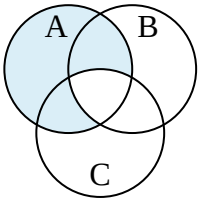
5) A∪(C-B)



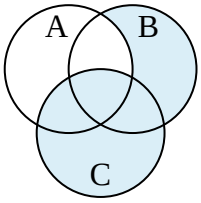
6) B∪(A-C)



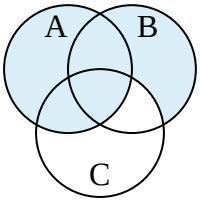
7) A-(B∩C)



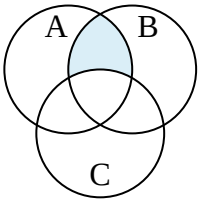
8) C∪(B-A)



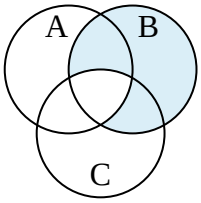
9) A∪(B-C)



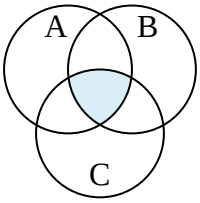
10) B∩(A-C)



11) B-(C∩A)



12) C∩B∩A



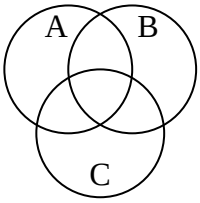
Answers

1. **C∩B**
2. **C∪A∪B**
3. **B∩(C-A)**
4. **A-(B∪C)**
5. **A∪(C-B)**
6. **B∪(A-C)**
7. **A-(B∩C)**
8. **C∪(B-A)**
9. **A∪(B-C)**
10. **B∩(A-C)**
11. **B-(C∩A)**
12. **C∩B∩A**

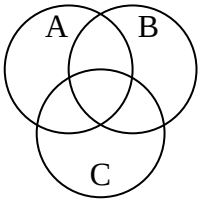
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Shade the region shown.

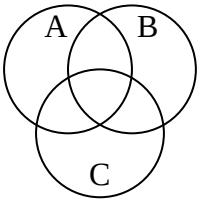
1) A-(B∩C)



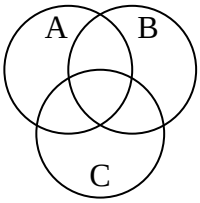
2) A∪C



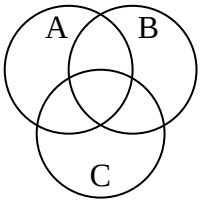
3) C-(B∩A)



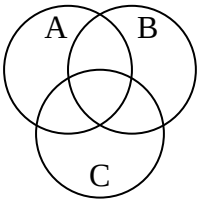
4) (C∩B)-A



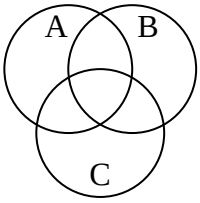
5) (A∪C)-B



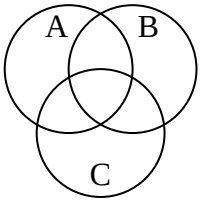
6) B∪C



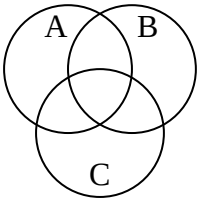
7) C∪(B-A)



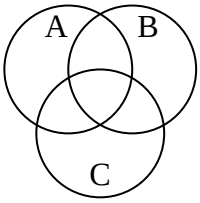
8) A∪(C-B)



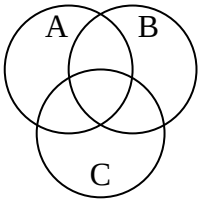
9) B∩C



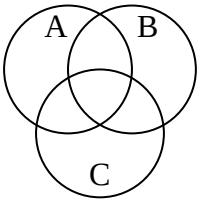
10) A∪B∪C



11) (B∪C)-A



12) B∪(C-A)



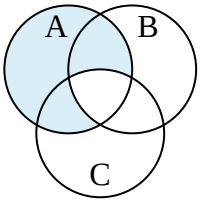
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

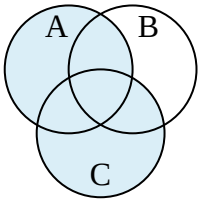
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Shade the region shown.

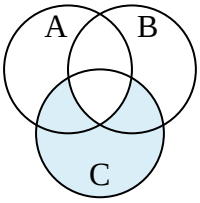
1) A-(B∩C)



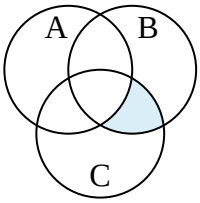
2) A∪C



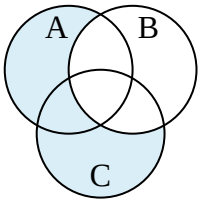
3) C-(B∩A)



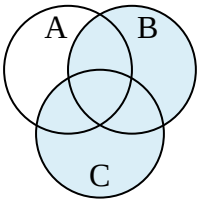
4) (C∩B)-A



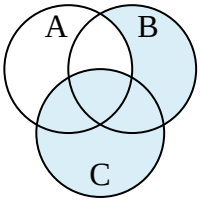
5) (A∪C)-B



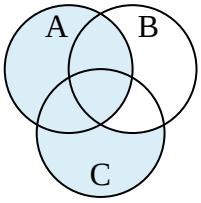
6) B∪C



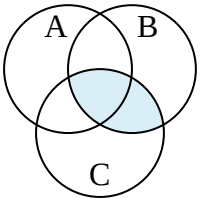
7) C∪(B-A)



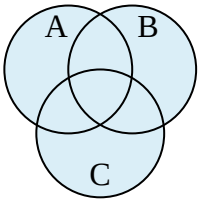
8) A∪(C-B)



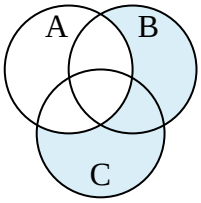
9) B∩C



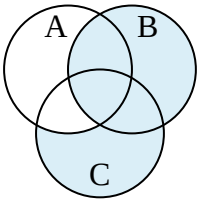
10) A∪B∪C



11) (B∪C)-A



12) B∪(C-A)



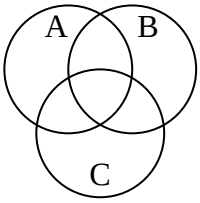
Answers

1. **A-(B∩C)**
2. **A∪C**
3. **C-(B∩A)**
4. **(C∩B)-A**
5. **(A∪C)-B**
6. **B∪C**
7. **C∪(B-A)**
8. **A∪(C-B)**
9. **B∩C**
10. **A∪B∪C**
11. **(B∪C)-A**
12. **B∪(C-A)**

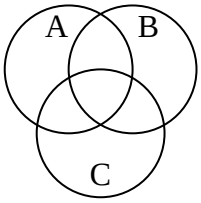
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Shade the region shown.

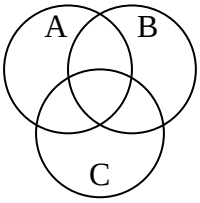
1) C∩B



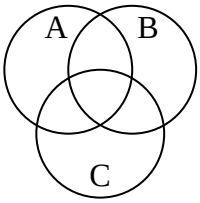
2) B∪(A-C)



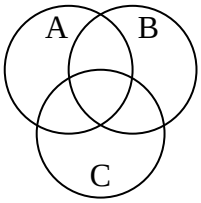
3) (C∪A)-B



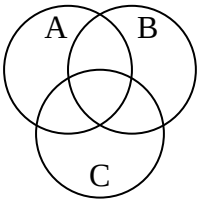
4) (C∪B)∩A



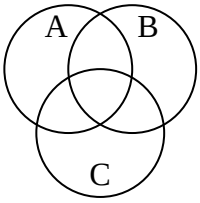
5) B∪(C-A)



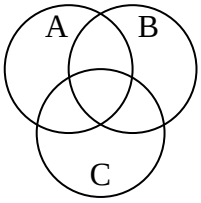
6) (B∪C)-A



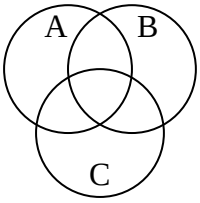
7) B-(A∩C)



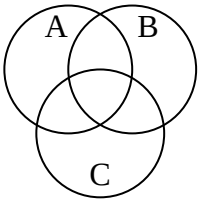
8) A∪(C-B)



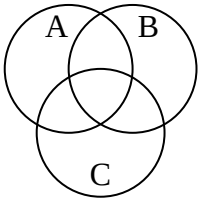
9) A-(C∪B)



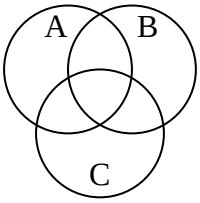
10) C-(A∩B)



11) C



12) C-(B∪A)



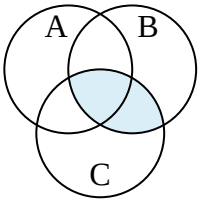
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

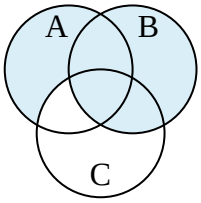
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Shade the region shown.

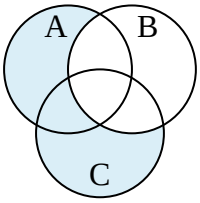
1) C∩B



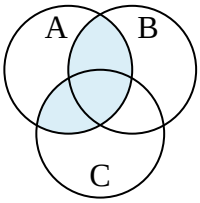
2) B∪(A-C)



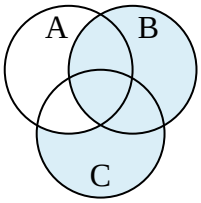
3) (C∪A)-B



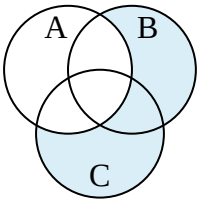
4) (C∪B)∩A



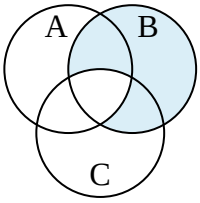
5) B∪(C-A)



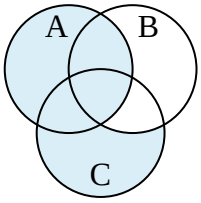
6) (B∪C)-A



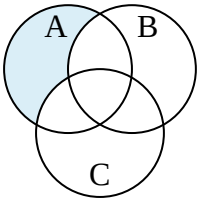
7) B-(A∩C)



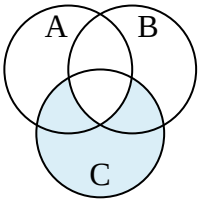
8) A∪(C-B)



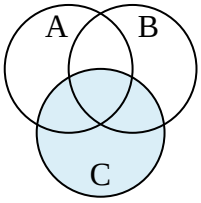
9) A-(C∪B)



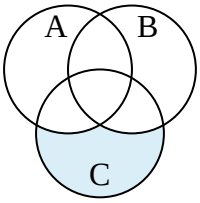
10) C-(A∩B)



11) C



12) C-(B∪A)



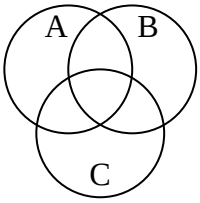
Answers

1. **C∩B**
2. **B∪(A-C)**
3. **(C∪A)-B**
4. **(C∪B)∩A**
5. **B∪(C-A)**
6. **(B∪C)-A**
7. **B-(A∩C)**
8. **A∪(C-B)**
9. **A-(C∪B)**
10. **C-(A∩B)**
11. **C**
12. **C-(B∪A)**

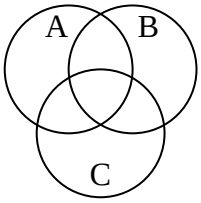
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Shade the region shown.

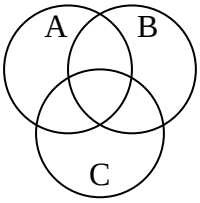
1) C∪A



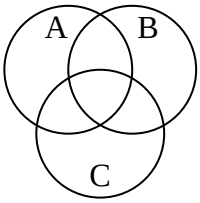
2) (C∪B)∩A



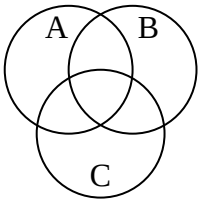
3) (A∪B)∩C



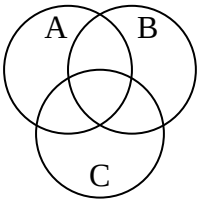
4) (A∪B)-C



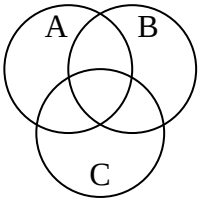
5) C∪(B-A)



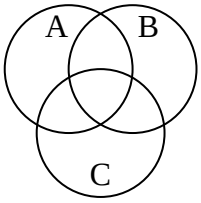
6) B-(A∩C)



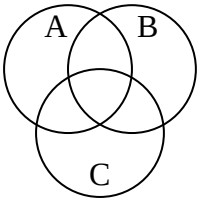
7) A∪(B-C)



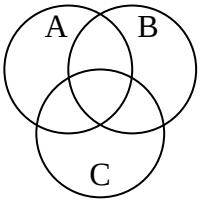
8) (A∪C)∩B



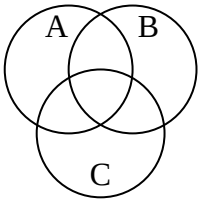
9) B-(C∪A)



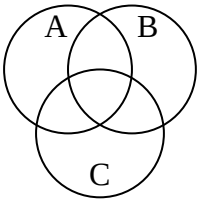
10) (C∪B)-A



11) B∩(A-C)



12) A-(C∪B)



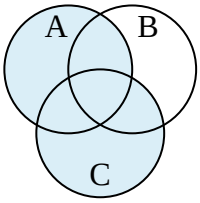
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

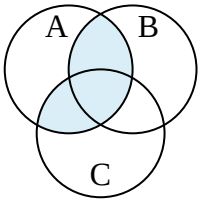
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Shade the region shown.

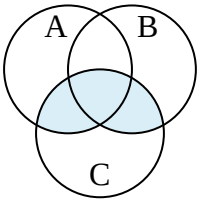
1) C∪A



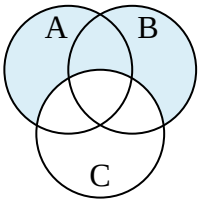
2) (C∪B)∩A



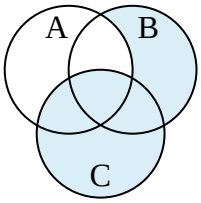
3) (A∪B)∩C



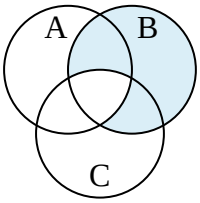
4) (A∪B)-C



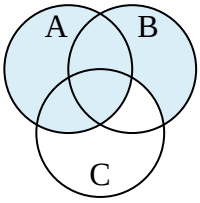
5) C∪(B-A)



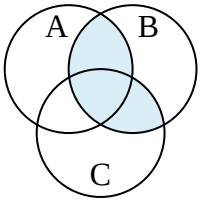
6) B-(A∩C)



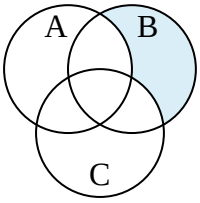
7) A∪(B-C)



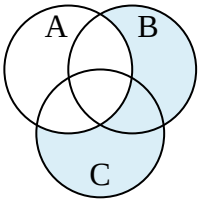
8) (A∪C)∩B



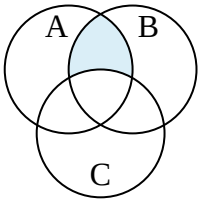
9) B-(C∪A)



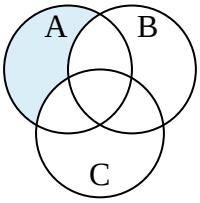
10) (C∪B)-A



11) B∩(A-C)



12) A-(C∪B)



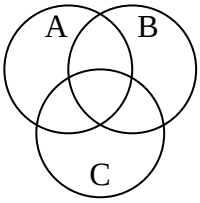
Answers

1. **C∪A**
2. **(C∪B)∩A**
3. **(A∪B)∩C**
4. **(A∪B)-C**
5. **C∪(B-A)**
6. **B-(A∩C)**
7. **A∪(B-C)**
8. **(A∪C)∩B**
9. **B-(C∪A)**
10. **(C∪B)-A**
11. **B∩(A-C)**
12. **A-(C∪B)**

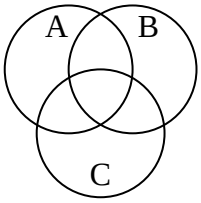
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Shade the region shown.

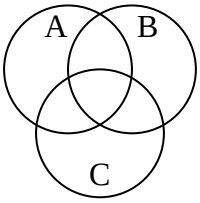
1) B∪(C-A)



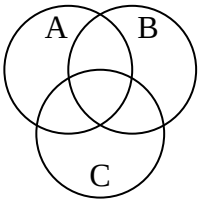
2) (C∪A)-B



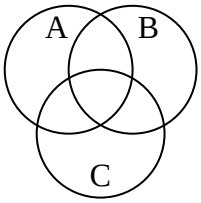
3) C∪(A-B)



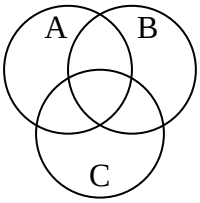
4) A∪B



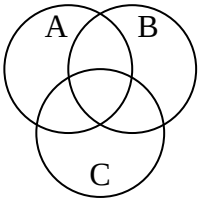
5) A-(B∪C)



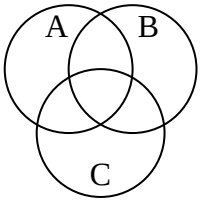
6) (A∪B)-C



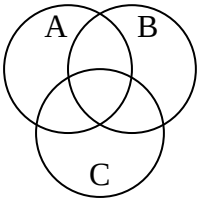
7) A∩B



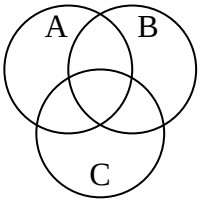
8) C∩A



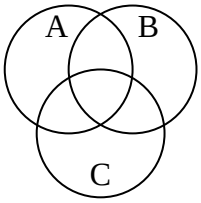
9) C∩B



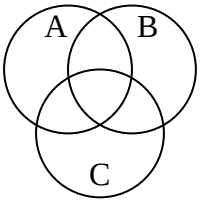
10) A∪(B-C)



11) A∪C∪B



12) (B∩A)-C



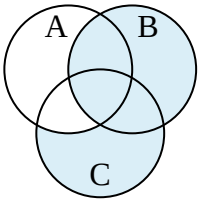
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

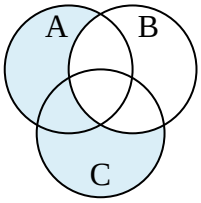
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Shade the region shown.

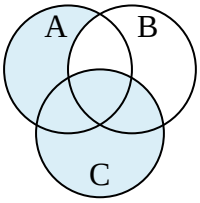
1) B∪(C-A)



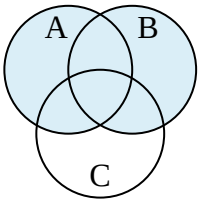
2) (C∪A)-B



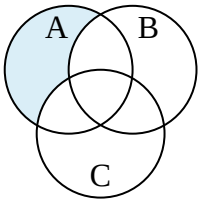
3) C∪(A-B)



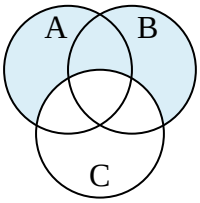
4) A∪B



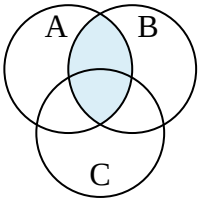
5) A-(B∪C)



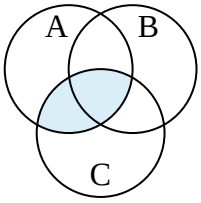
6) (A∪B)-C



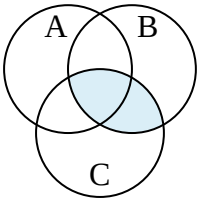
7) A∩B



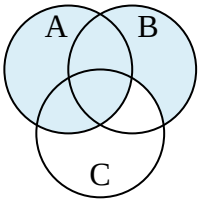
8) C∩A



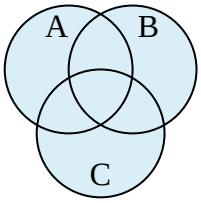
9) C∩B



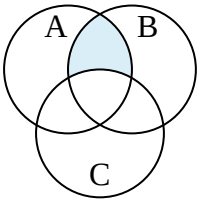
10) A∪(B-C)



11) A∪C∪B



12) (B∩A)-C



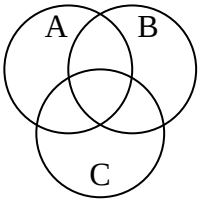
Answers

1. **B∪(C-A)**
2. **(C∪A)-B**
3. **C∪(A-B)**
4. **A∪B**
5. **A-(B∪C)**
6. **(A∪B)-C**
7. **A∩B**
8. **C∩A**
9. **C∩B**
10. **A∪(B-C)**
11. **A∪C∪B**
12. **(B∩A)-C**

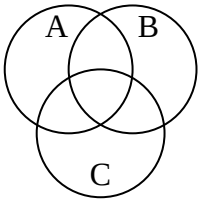
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Shade the region shown.

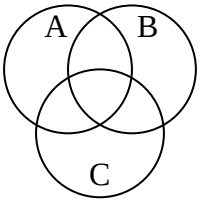
1) (A∩B)-C



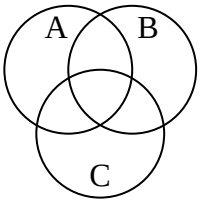
2) C∪(B-A)



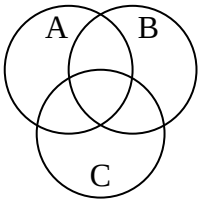
3) A∩C



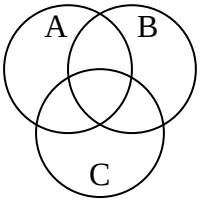
4) A∩C∩B



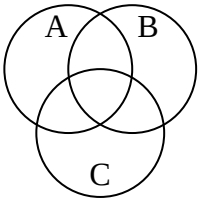
5) A-(C∪B)



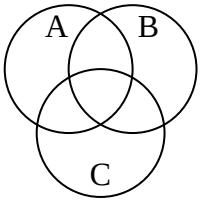
6) A



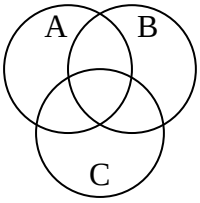
7) B∩A



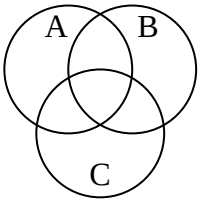
8) B-(C∪A)



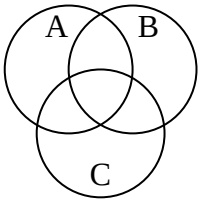
9) B∪(A-C)



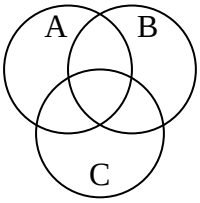
10) (B∩C)-A



11) C∪A



12) C∩B



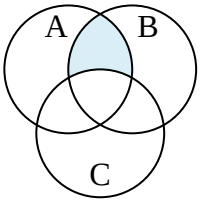
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

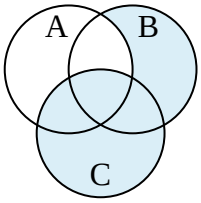
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Shade the region shown.

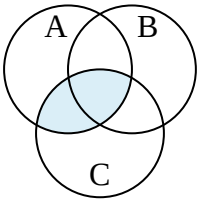
1) (A∩B)-C



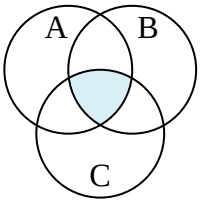
2) C∪(B-A)



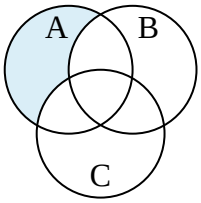
3) A∩C



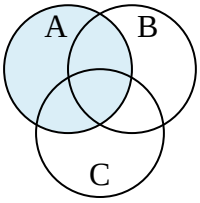
4) A∩C∩B



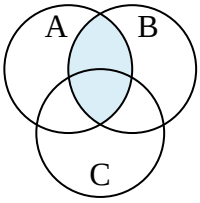
5) A-(C∪B)



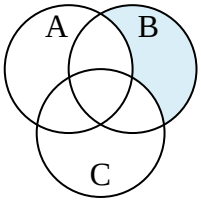
6) A



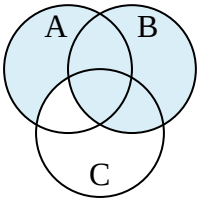
7) B∩A



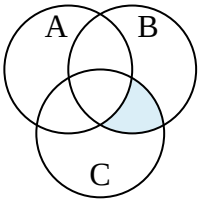
8) B-(C∪A)



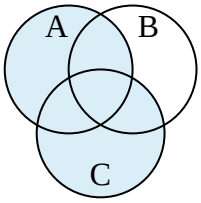
9) B∪(A-C)



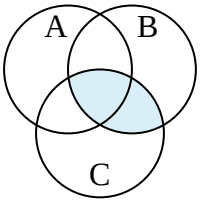
10) (B∩C)-A



11) C∪A



12) C∩B



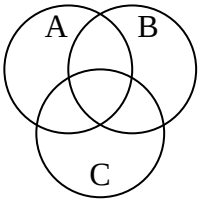
Answers

1. **(A∩B)-C**
2. **C∪(B-A)**
3. **A∩C**
4. **A∩C∩B**
5. **A-(C∪B)**
6. **A**
7. **B∩A**
8. **B-(C∪A)**
9. **B∪(A-C)**
10. **(B∩C)-A**
11. **C∪A**
12. **C∩B**

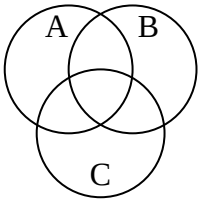
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Shade the region shown.

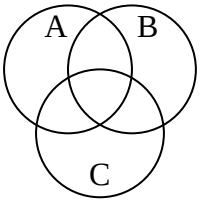
1) A∪(B-C)



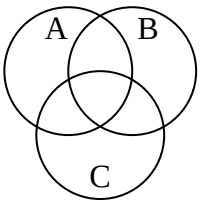
2) (B∪C)∩A



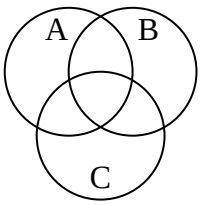
3) C-(A∩B)



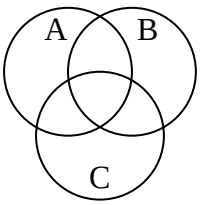
4) B



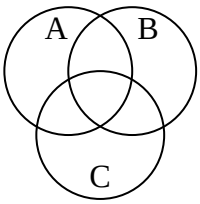
5) A-(B∩C)



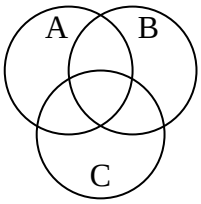
6) B∪A



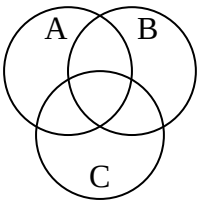
7) (A∩B)-C



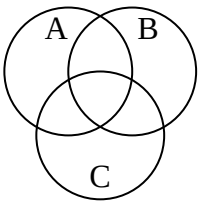
8) A



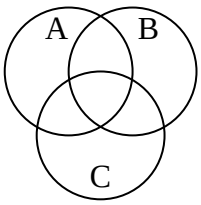
9) B∪(A-C)



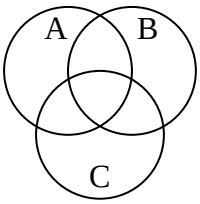
10) (C∪A)-B



11) (C∪B)-A



12) C



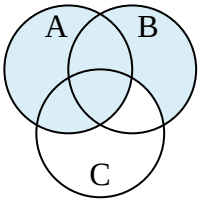
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

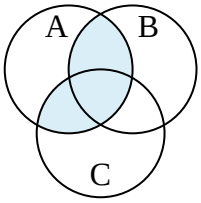
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Shade the region shown.

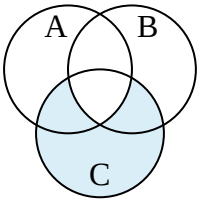
1) A∪(B-C)



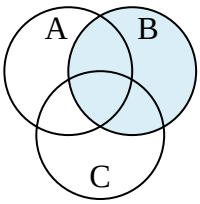
2) (B∪C)∩A



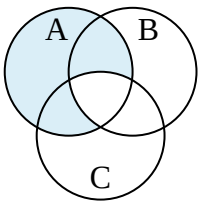
3) C-(A∩B)



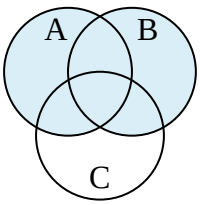
4) B



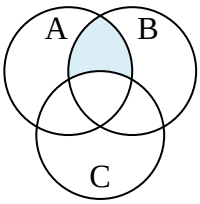
5) A-(B∩C)



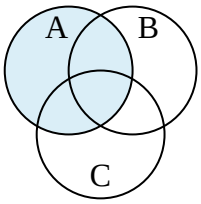
6) B∪A



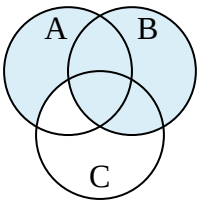
7) (A∩B)-C



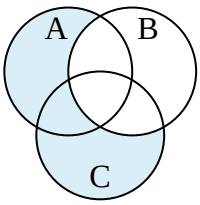
8) A



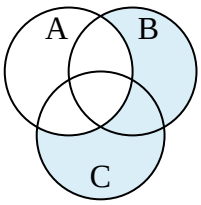
9) B∪(A-C)



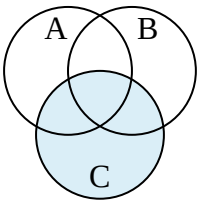
10) (C∪A)-B



11) (C∪B)-A



12) C



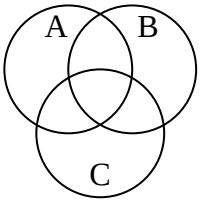
Answers

1. **A∪(B-C)**
2. **(B∪C)∩A**
3. **C-(A∩B)**
4. **B**
5. **A-(B∩C)**
6. **B∪A**
7. **(A∩B)-C**
8. **A**
9. **B∪(A-C)**
10. **(C∪A)-B**
11. **(C∪B)-A**
12. **C**

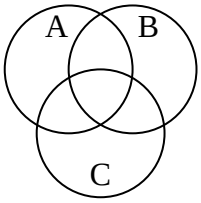
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Shade the region shown.

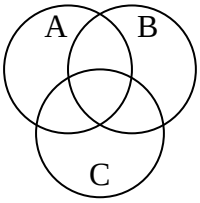
1) B∪A



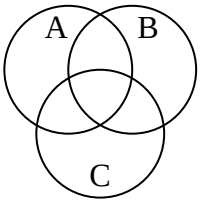
2) A-(B∩C)



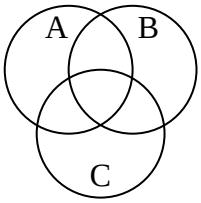
3) A-(C∪B)



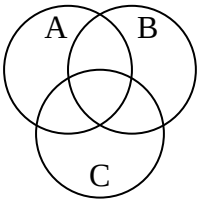
4) C∪A



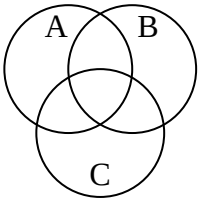
5) B-(C∪A)



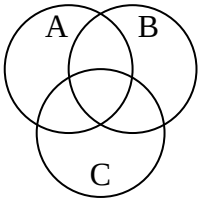
6) (C∪B)-A



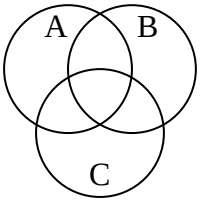
7) (B∪A)-C



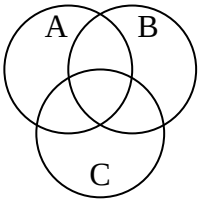
8) B-(C∩A)



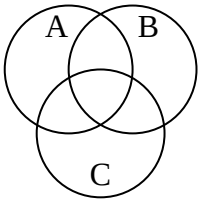
9) B∪(A-C)



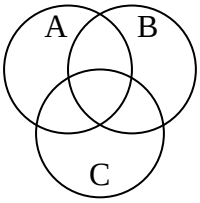
10) A∩(C-B)



11) B∪A∪C



12) (A∪C)-B



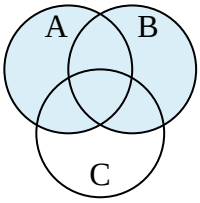
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

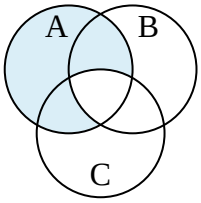
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Shade the region shown.

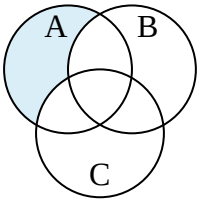
1) B∪A



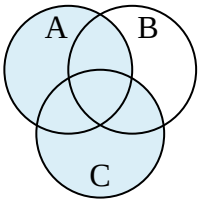
2) A-(B∩C)



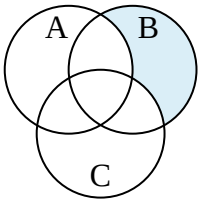
3) A-(C∪B)



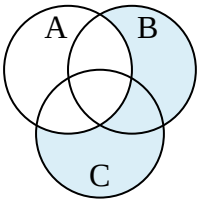
4) C∪A



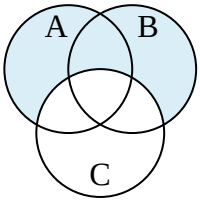
5) B-(C∪A)



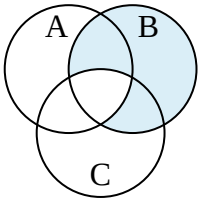
6) (C∪B)-A



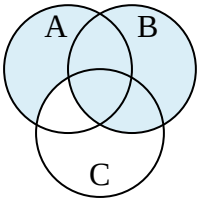
7) (B∪A)-C



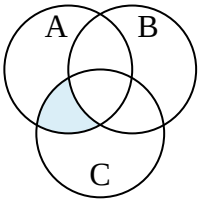
8) B-(C∩A)



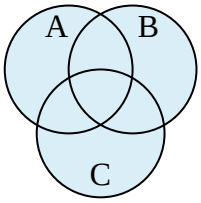
9) B∪(A-C)



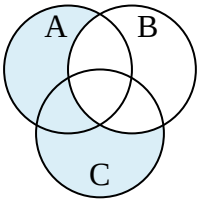
10) A∩(C-B)



11) B∪A∪C



12) (A∪C)-B



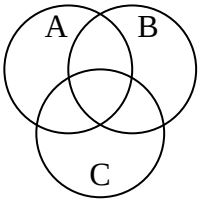
Answers

1. **B∪A**
2. **A-(B∩C)**
3. **A-(C∪B)**
4. **C∪A**
5. **B-(C∪A)**
6. **(C∪B)-A**
7. **(B∪A)-C**
8. **B-(C∩A)**
9. **B∪(A-C)**
10. **A∩(C-B)**
11. **B∪A∪C**
12. **(A∪C)-B**

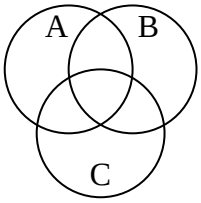
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Shade the region shown.

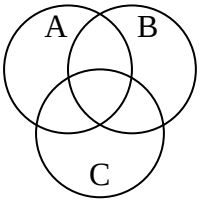
1) C∩A∩B



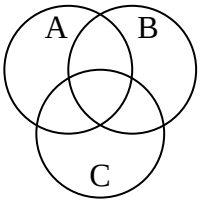
2) (B∪A)-C



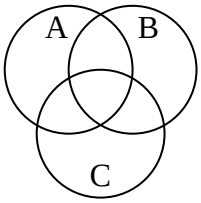
3) B-(C∪A)



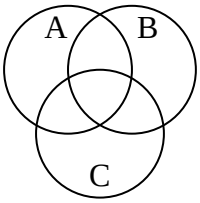
4) A∪(C-B)



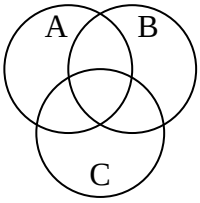
5) C-(A∩B)



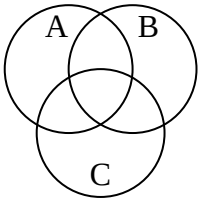
6) C∪(A-B)



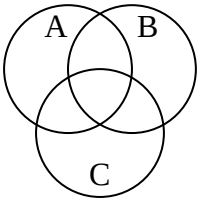
7) (B∪C)-A



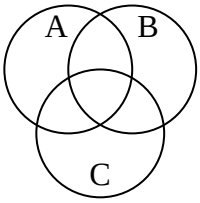
8) B-(A∩C)



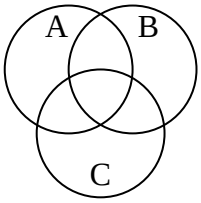
9) (C∪A)-B



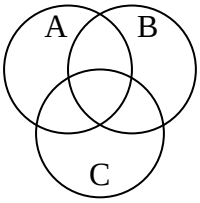
10) B∪(A-C)



11) A∩(B-C)



12) A∪C∪B



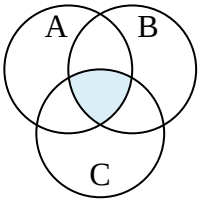
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

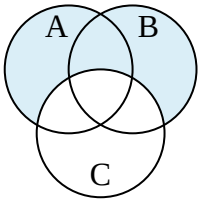
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Shade the region shown.

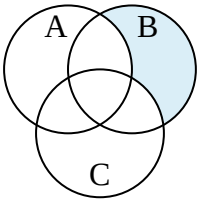
1) C∩A∩B



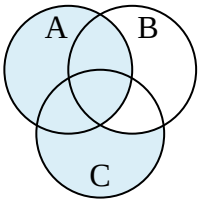
2) (B∪A)-C



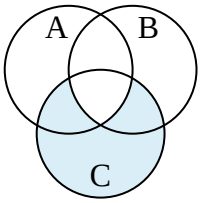
3) B-(C∪A)



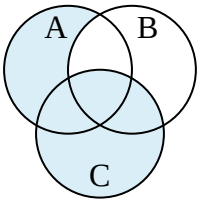
4) A∪(C-B)



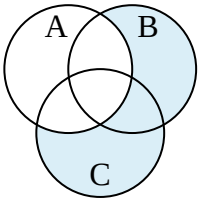
5) C-(A∩B)



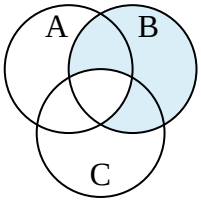
6) C∪(A-B)



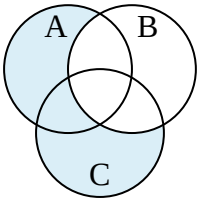
7) (B∪C)-A



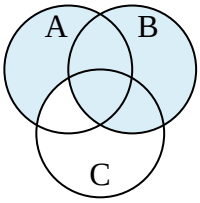
8) B-(A∩C)



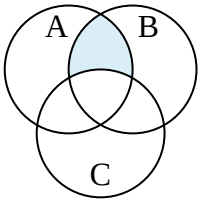
9) (C∪A)-B



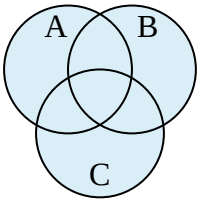
10) B∪(A-C)



11) A∩(B-C)



12) A∪C∪B



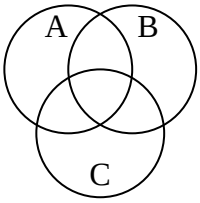
Answers

1. **C∩A∩B**
2. **(B∪A)-C**
3. **B-(C∪A)**
4. **A∪(C-B)**
5. **C-(A∩B)**
6. **C∪(A-B)**
7. **(B∪C)-A**
8. **B-(A∩C)**
9. **(C∪A)-B**
10. **B∪(A-C)**
11. **A∩(B-C)**
12. **A∪C∪B**

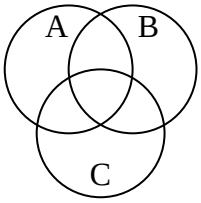
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Shade the region shown.

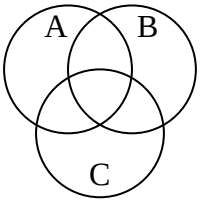
1) $(B \cup A) \cap C$



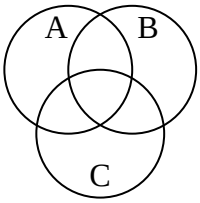
2) $A - (C \cup B)$



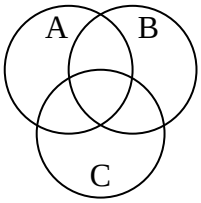
3) $(C \cup B) - A$



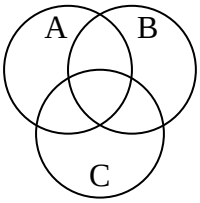
4) $B - (C \cup A)$



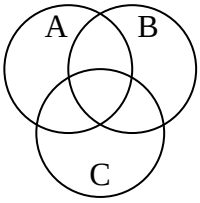
5) $B \cap A$



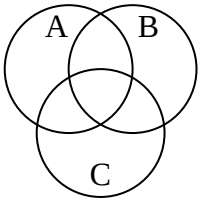
6) $C \cap A \cap B$



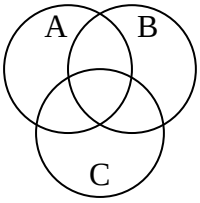
7) $A \cup (C - B)$



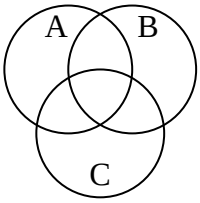
8) $B - (C \cap A)$



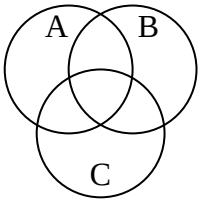
9) $A \cup C$



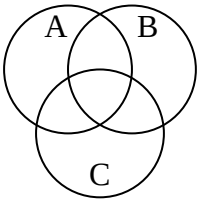
10) $(A \cup C) \cap B$



11) $C - (A \cap B)$



12) $(B \cup C) \cap A$



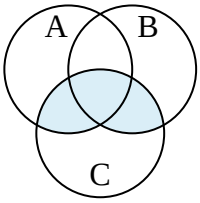
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

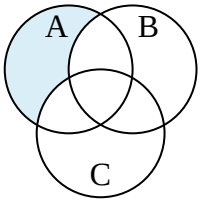
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Shade the region shown.

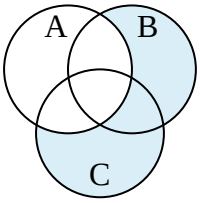
1) (B∪A)∩C



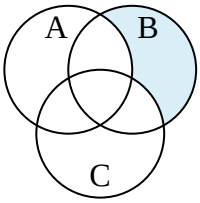
2) A-(C∪B)



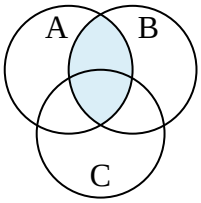
3) (C∪B)-A



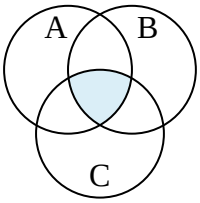
4) B-(C∪A)



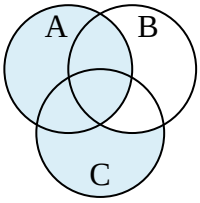
5) B∩A



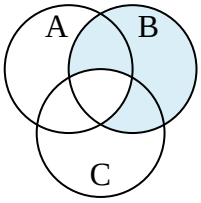
6) C∩A∩B



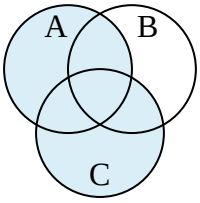
7) A∪(C-B)



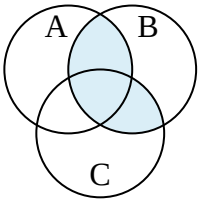
8) B-(C∩A)



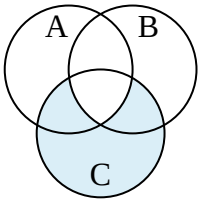
9) A∪C



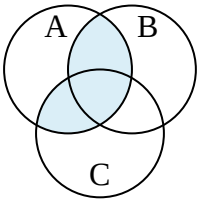
10) (A∪C)∩B



11) C-(A∩B)



12) (B∪C)∩A



Answers

1. **(B∪A)∩C**
2. **A-(C∪B)**
3. **(C∪B)-A**
4. **B-(C∪A)**
5. **B∩A**
6. **C∩A∩B**
7. **A∪(C-B)**
8. **B-(C∩A)**
9. **A∪C**
10. **(A∪C)∩B**
11. **C-(A∩B)**
12. **(B∪C)∩A**

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								