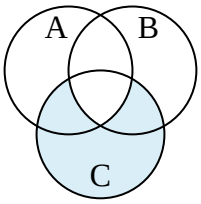
Understanding Union and Intersect Name:

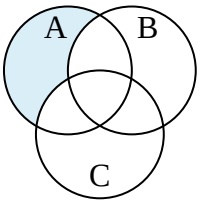
Determine the shaded region of each diagram.

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

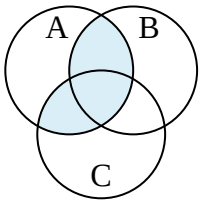
1)



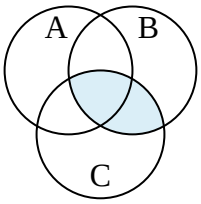
2)



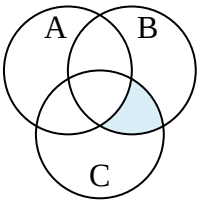
3)



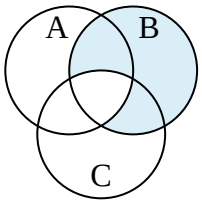
4)



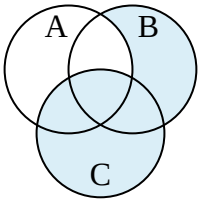
5)



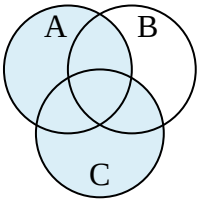
6)



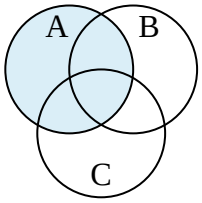
7)



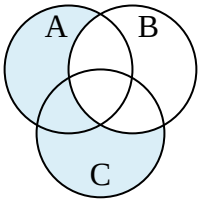
8)



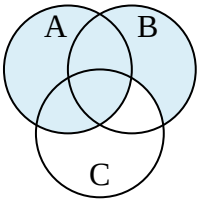
9)



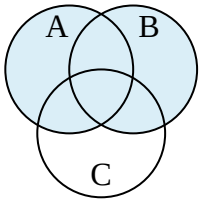
10)



11)



12)



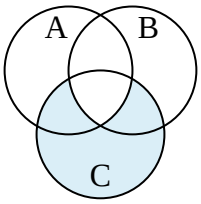
Answers

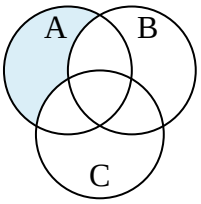
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

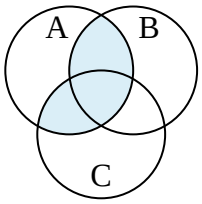
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

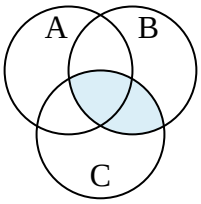
Determine the shaded region of each diagram.

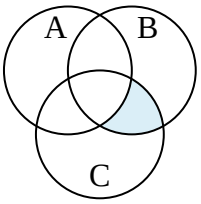
B∩(C-A)	B∩C	C∪(B-A)	B∪A	(A∪C)-B	A-(C∪B)
(B∪C)∩A	C∪A	A∪(B-C)	A	B-(A∩C)	C-(B∩A)

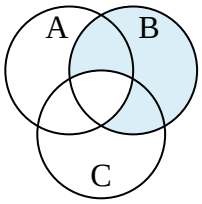
1)


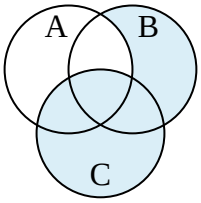
2)


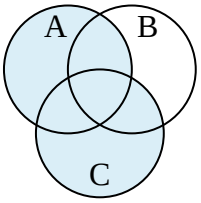
3)


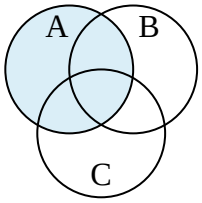
4)


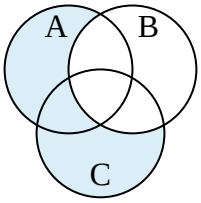
5)


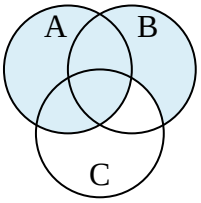
6)


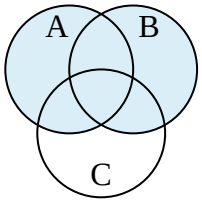
7)


8)


9)


10)


11)


12)


Answers

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

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