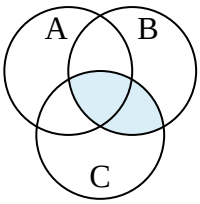
Understanding Union and Intersect

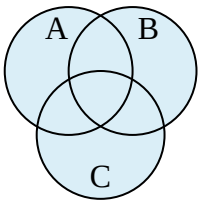
Name:

Determine the shaded region of each diagram.

1)



2)



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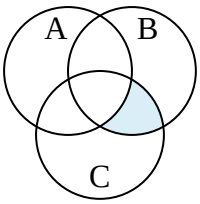

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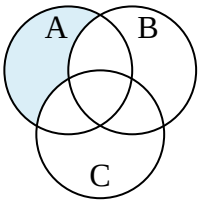

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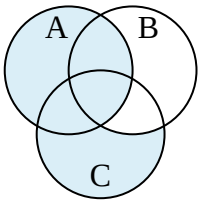

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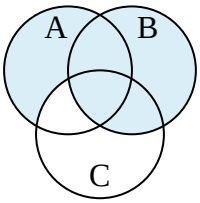

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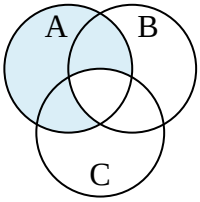

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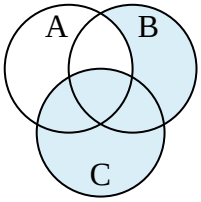

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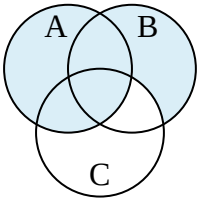

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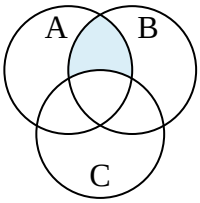

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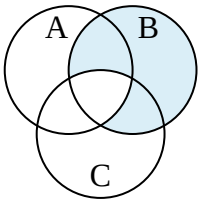

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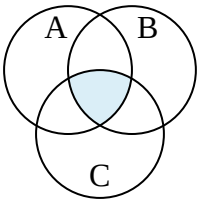


Answers

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

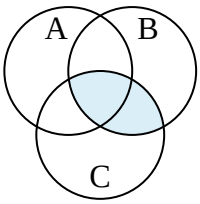
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Understanding Union and Intersect

Name: **Answer Key**

Determine the shaded region of each diagram.

1)



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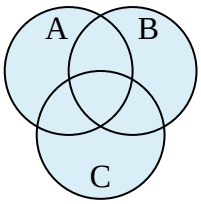

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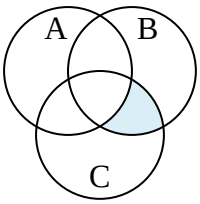

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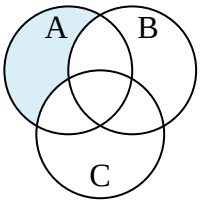
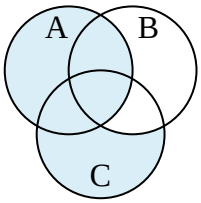


5)



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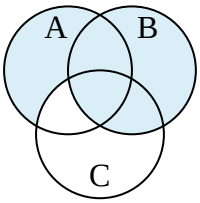

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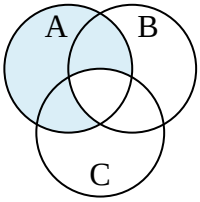

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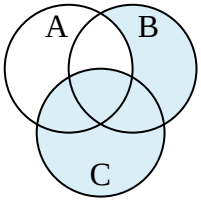

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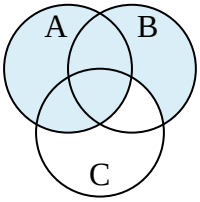
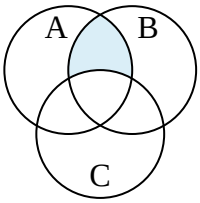


10)



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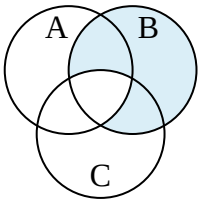

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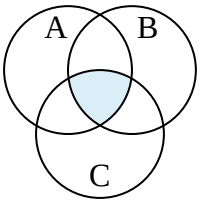


Answers

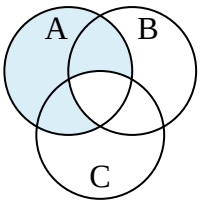
1. $C \cap B$
2. $C \cup A \cup B$
3. $B \cap (C-A)$
4. $A-(B \cup C)$
5. $A \cup (C-B)$
6. $B \cup (A-C)$
7. $A-(B \cap C)$
8. $C \cup (B-A)$
9. $A \cup (B-C)$
10. $B \cap (A-C)$
11. $B-(C \cap A)$
12. $C \cap B \cap A$

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

Understanding Union and Intersect Name:

Determine the shaded region of each diagram.

1)



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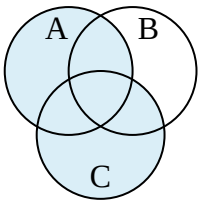

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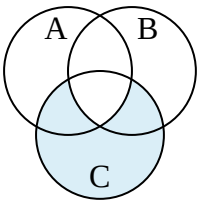

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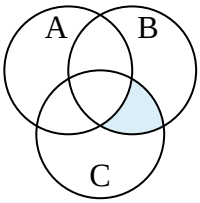

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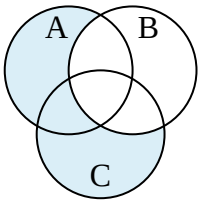

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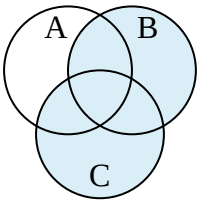

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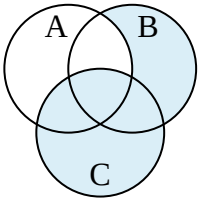
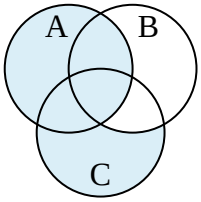


8)



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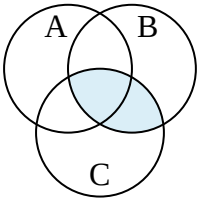

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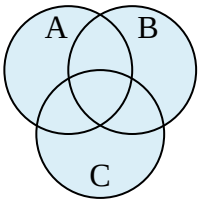

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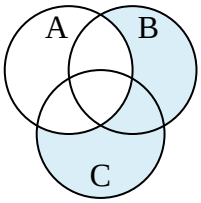
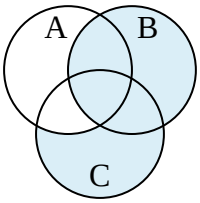


12)



Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
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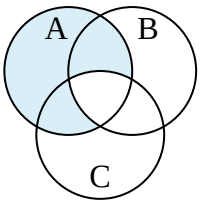
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Determine the shaded region of each diagram.

1)


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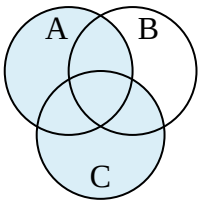
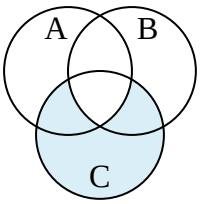
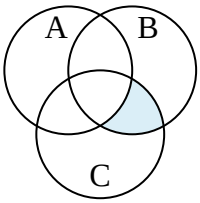
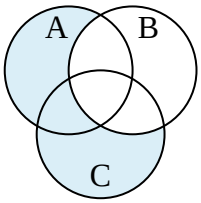


3)


4)


5)


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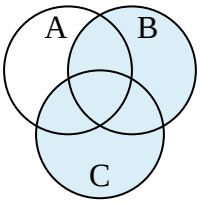

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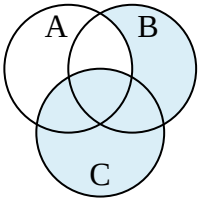

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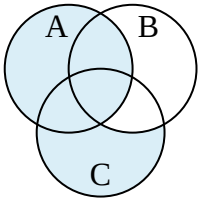

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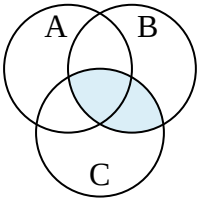

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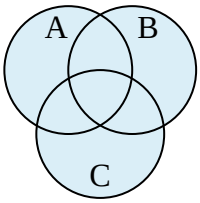

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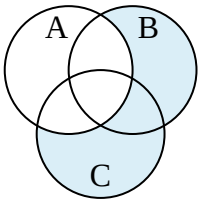

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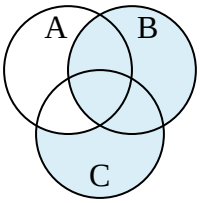


Answers

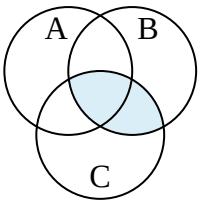
1. **A-(B∩C)**
2. **A∪C**
3. **C-(B∩A)**
4. **(C∩B)-A**
5. **(A∪C)-B**
6. **B∪C**
7. **C∪(B-A)**
8. **A∪(C-B)**
9. **B∩C**
10. **A∪B∪C**
11. **(B∪C)-A**
12. **B∪(C-A)**

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

Understanding Union and Intersect Name:

Determine the shaded region of each diagram.

1)



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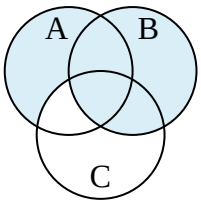

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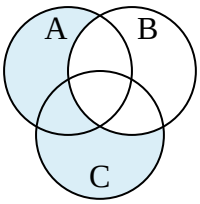
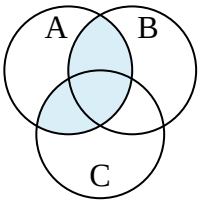


4)



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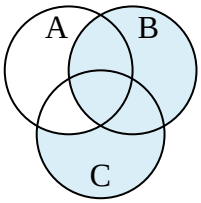

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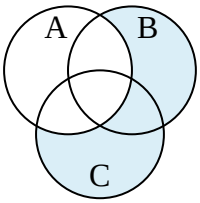

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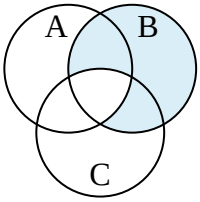
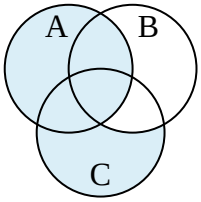


8)



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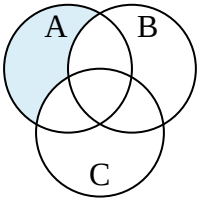

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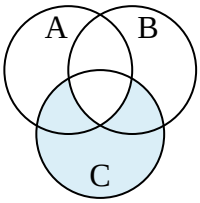

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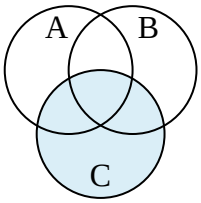
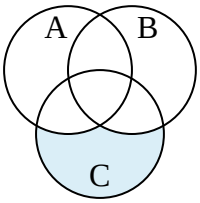


12)

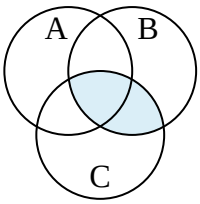


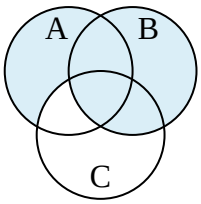
Answers

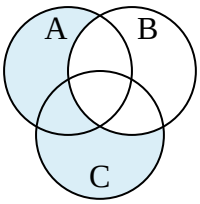
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

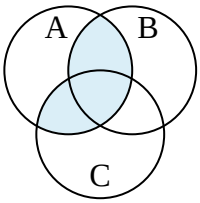
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

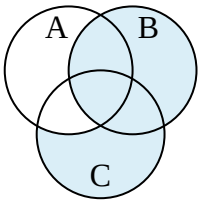
Determine the shaded region of each diagram.

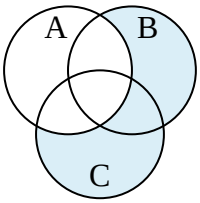
1) 

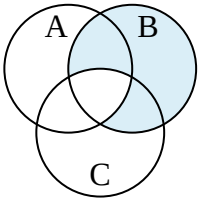
2) 

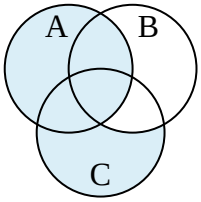
3) 

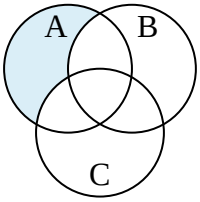
4) 

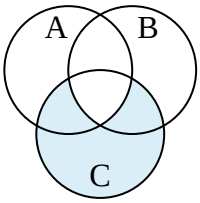
5) 

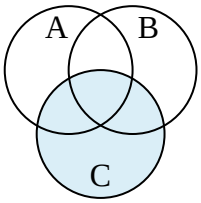
6) 

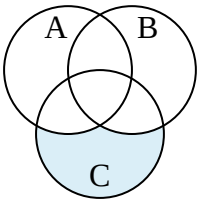
7) 

8) 

9) 

10) 

11) 

12) 

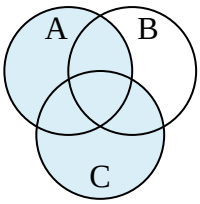
Answers

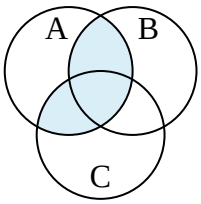
1. $C \cap B$
2. $B \cup (A-C)$
3. $(C \cup A)-B$
4. $(C \cup B) \cap A$
5. $B \cup (C-A)$
6. $(B \cup C)-A$
7. $B-(A \cap C)$
8. $A \cup (C-B)$
9. $A-(C \cup B)$
10. $C-(A \cap B)$
11. C
12. $C-(B \cup A)$

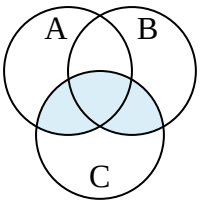
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

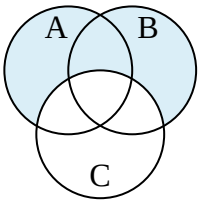
Understanding Union and Intersect Name:

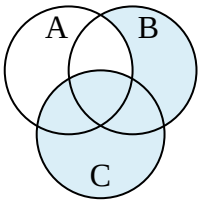
Determine the shaded region of each diagram.

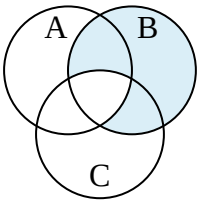
1) 

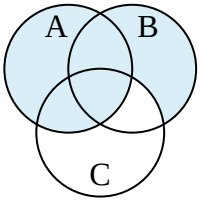
2) 

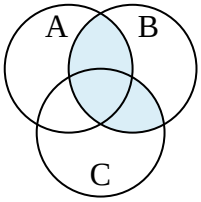
3) 

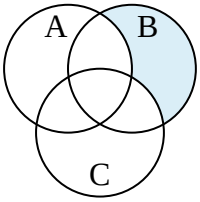
4) 

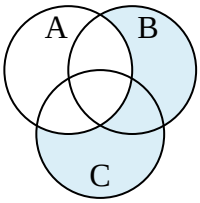
5) 

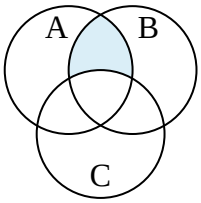
6) 

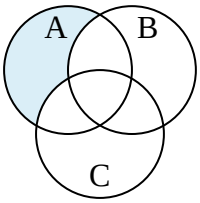
7) 

8) 

9) 

10) 

11) 

12) 

Answers

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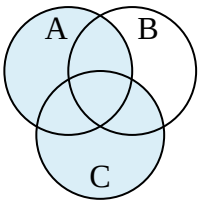
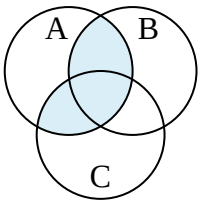
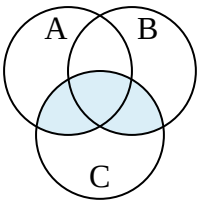
12. _____

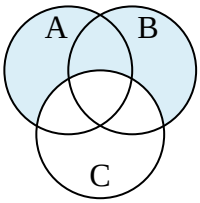
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

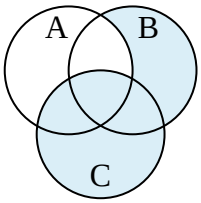
Determine the shaded region of each diagram.

1)


2)


3)


4)


5)


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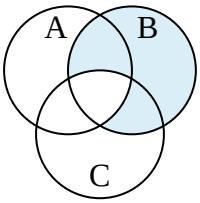
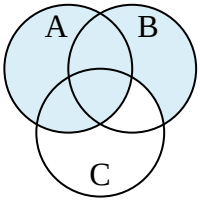


7)


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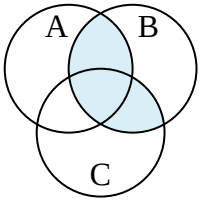

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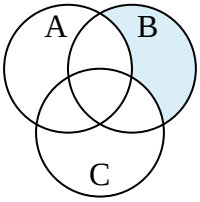

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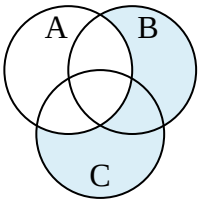

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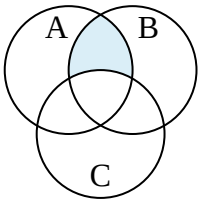

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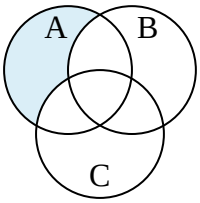


Answers

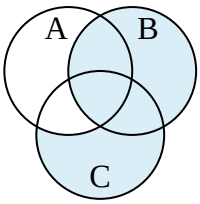
1. $C \cup A$
2. $(C \cup B) \cap A$
3. $(A \cup B) \cap C$
4. $(A \cup B) - C$
5. $C \cup (B - A)$
6. $B - (A \cap C)$
7. $A \cup (B - C)$
8. $(A \cup C) \cap B$
9. $B - (C \cup A)$
10. $(C \cup B) - A$
11. $B \cap (A - C)$
12. $A - (C \cup B)$

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

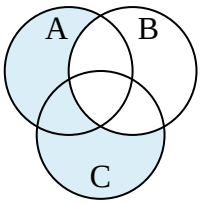
Understanding Union and Intersect Name:

Determine the shaded region of each diagram.

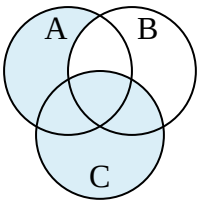
1)



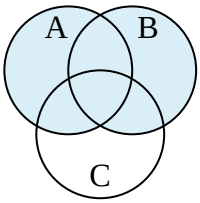
2)



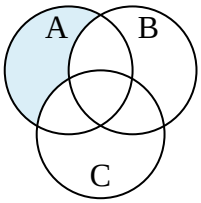
3)



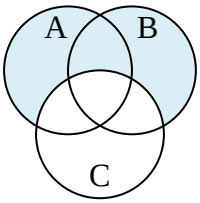
4)



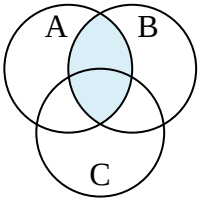
5)



6)



7)



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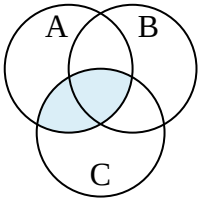

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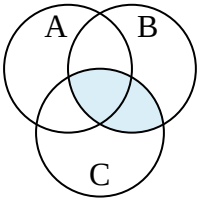

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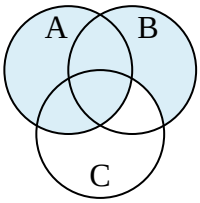

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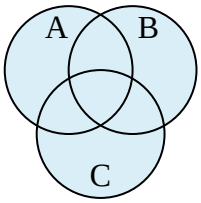

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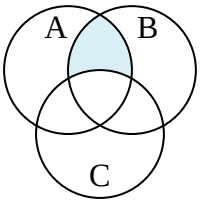
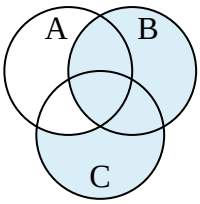


Answers

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.

1)


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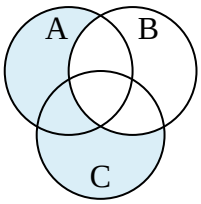

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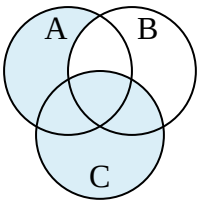

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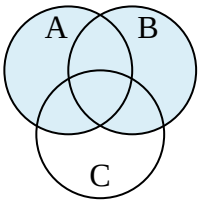

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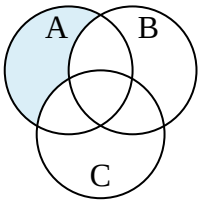

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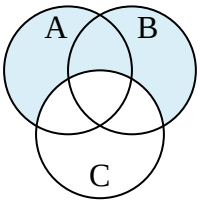

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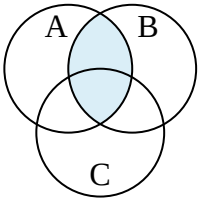

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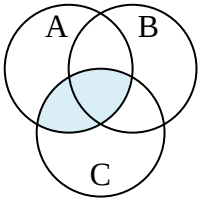

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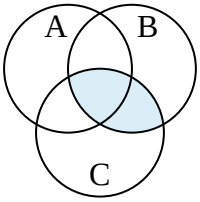

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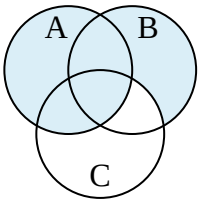

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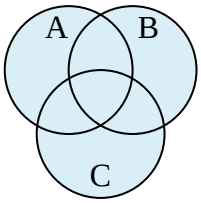

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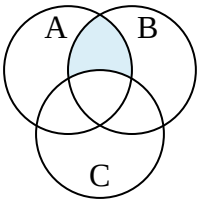


Answers

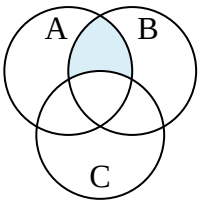
1. **B∪(C-A)**
2. **(C∪A)-B**
3. **C∪(A-B)**
4. **A∪B**
5. **A-(B∪C)**
6. **(A∪B)-C**
7. **A∩B**
8. **C∩A**
9. **C∩B**
10. **A∪(B-C)**
11. **A∪C∪B**
12. **(B∩A)-C**

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

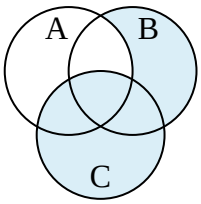
Understanding Union and Intersect Name:

Determine the shaded region of each diagram.

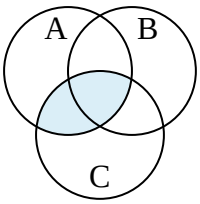
1)



2)



3)



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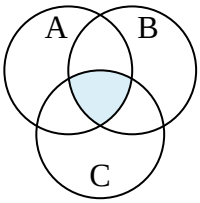

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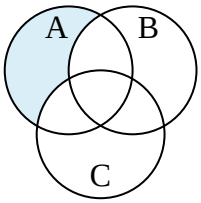

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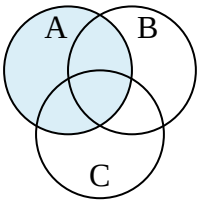

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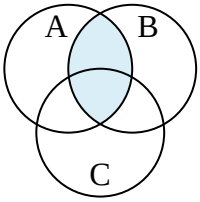

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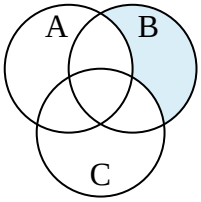

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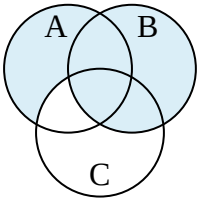

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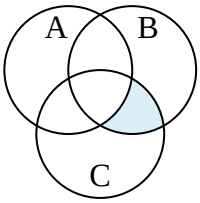

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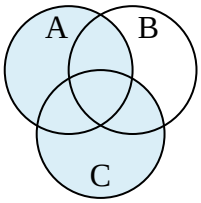

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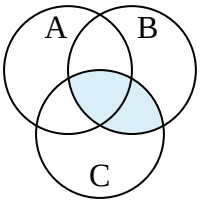
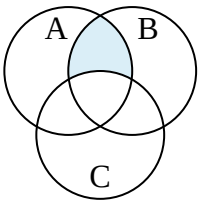


Answers

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.

1)


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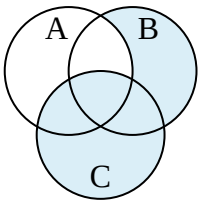
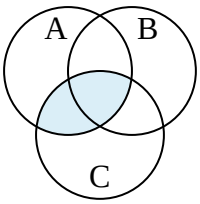
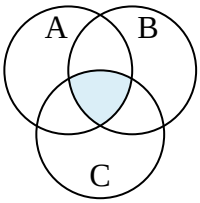


3)


4)


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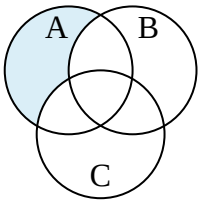

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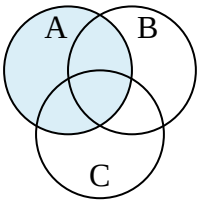

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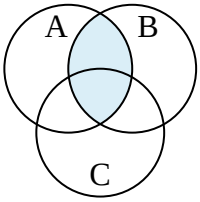

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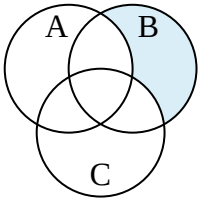

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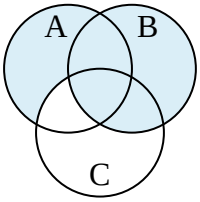

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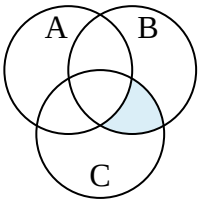

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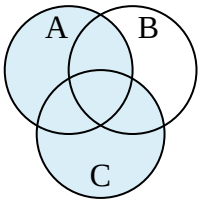

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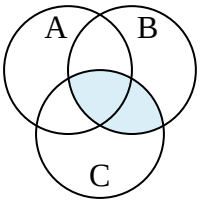


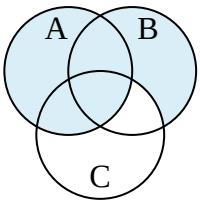
Answers

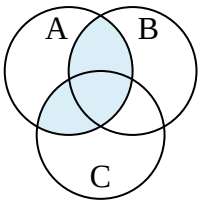
1. **(A∩B)-C**
2. **C∪(B-A)**
3. **A∩C**
4. **A∩C∩B**
5. **A-(C∪B)**
6. **A**
7. **B∩A**
8. **B-(C∪A)**
9. **B∪(A-C)**
10. **(B∩C)-A**
11. **C∪A**
12. **C∩B**

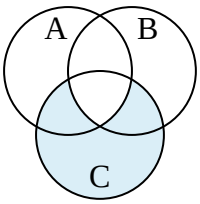
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

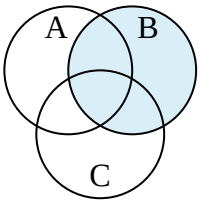
Understanding Union and Intersect Name:

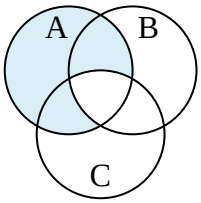
Determine the shaded region of each diagram.

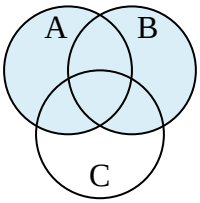
1) 

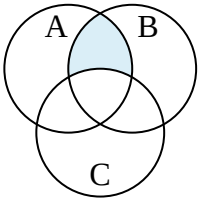
2) 

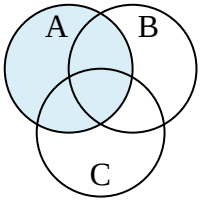
3) 

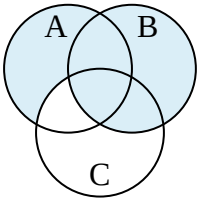
4) 

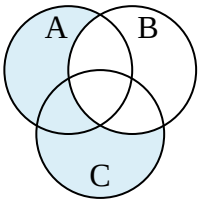
5) 

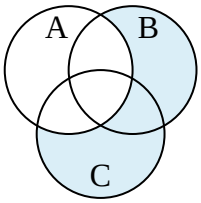
6) 

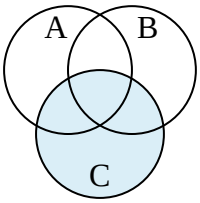
7) 

8) 

9) 

10) 

11) 

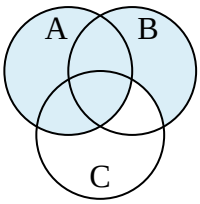
12) 

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.

1)


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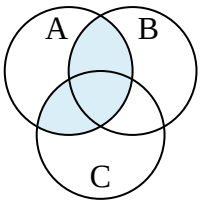

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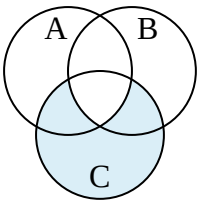

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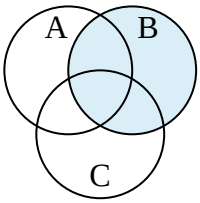

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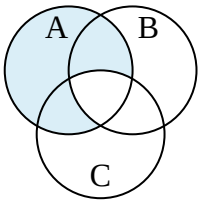

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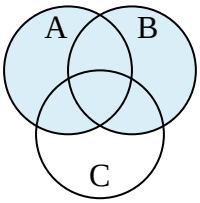

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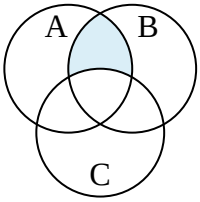

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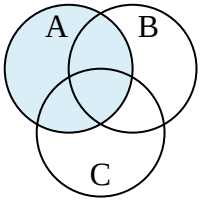

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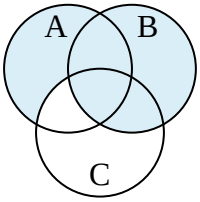

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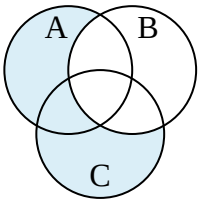

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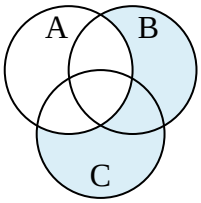

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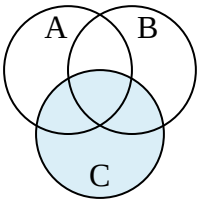


Answers

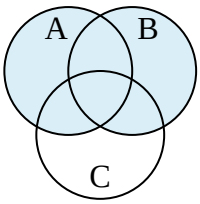
1. $A \cup (B-C)$
2. $(B \cup C) \cap A$
3. $C-(A \cap B)$
4. B
5. $A-(B \cap C)$
6. $B \cup A$
7. $(A \cap B)-C$
8. A
9. $B \cup (A-C)$
10. $(C \cup A)-B$
11. $(C \cup B)-A$
12. C

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

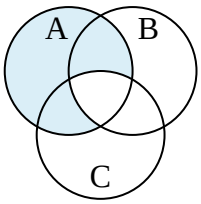
Understanding Union and Intersect Name:

Determine the shaded region of each diagram.

1)



2)



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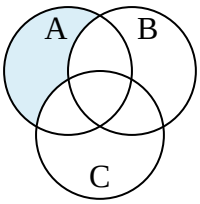

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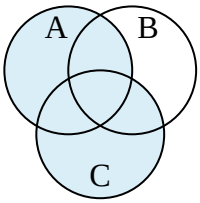

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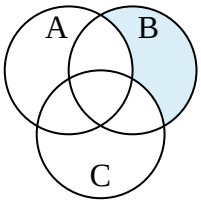

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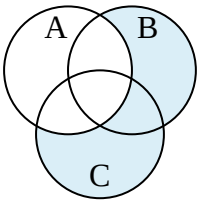

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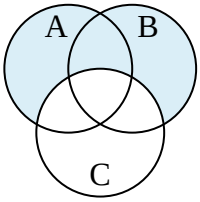
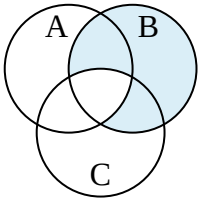
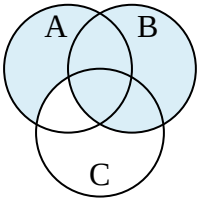


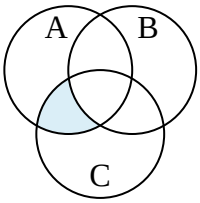
8)



9)



10)



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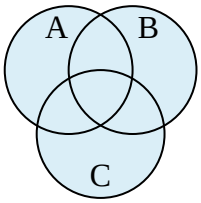

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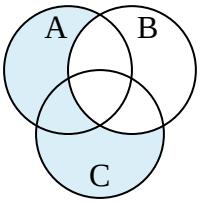
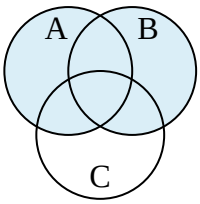


Answers

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.

1)


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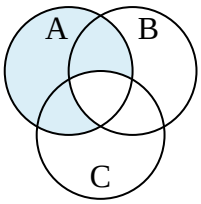

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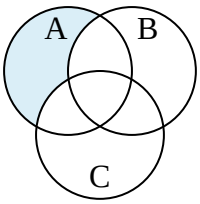

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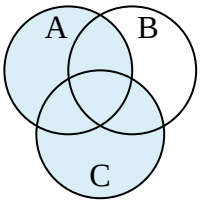

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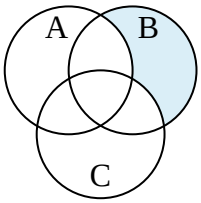

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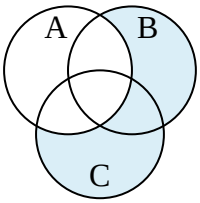

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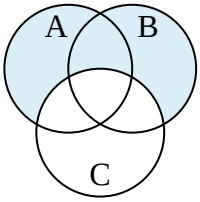

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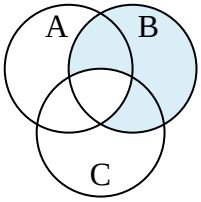

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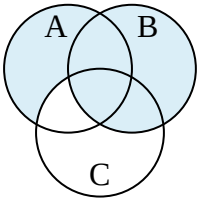

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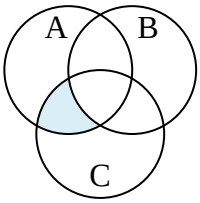

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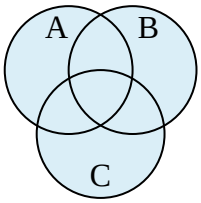

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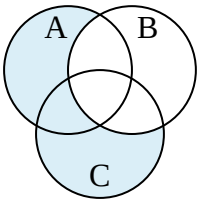
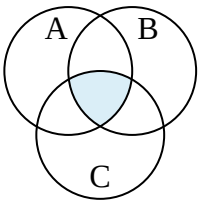


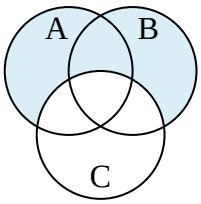
Answers

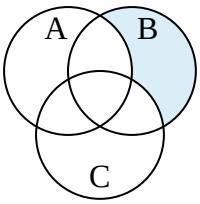
1. **B∪A**
2. **A-(B∩C)**
3. **A-(C∪B)**
4. **C∪A**
5. **B-(C∪A)**
6. **(C∪B)-A**
7. **(B∪A)-C**
8. **B-(C∩A)**
9. **B∪(A-C)**
10. **A∩(C-B)**
11. **B∪A∪C**
12. **(A∪C)-B**

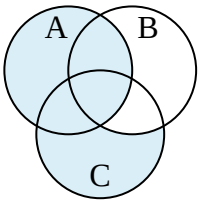
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

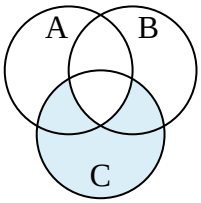
Determine the shaded region of each diagram.

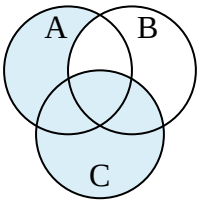
1) 

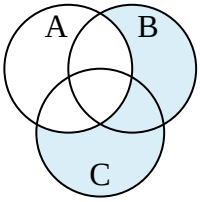
2) 

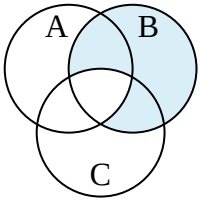
3) 

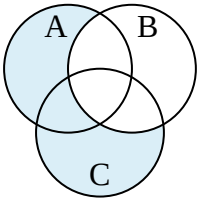
4) 

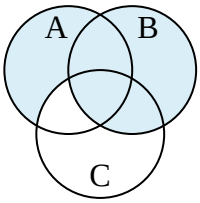
5) 

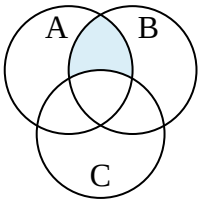
6) 

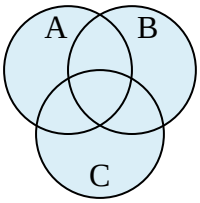
7) 

8) 

9) 

10) 

11) 

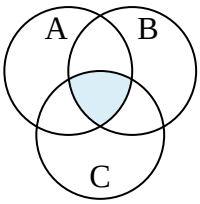
12) 

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.

1)


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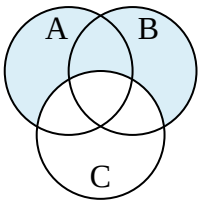

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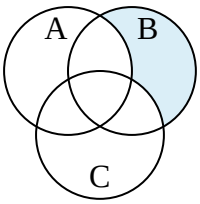

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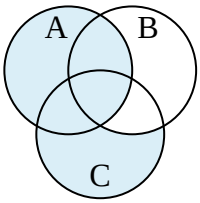

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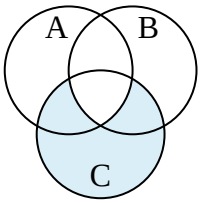

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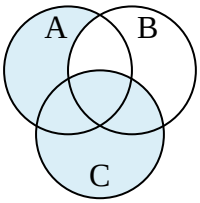

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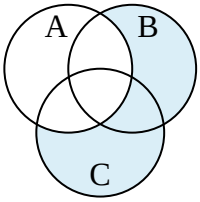

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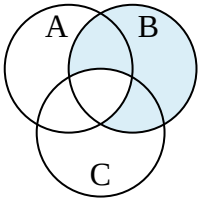

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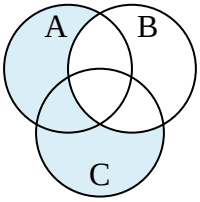

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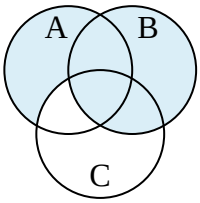

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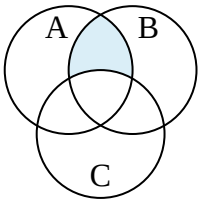
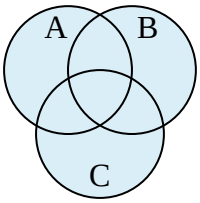


12)


Answers

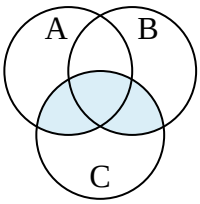
1. $C \cap A \cap B$
2. $(B \cup A) - C$
3. $B - (C \cup A)$
4. $A \cup (C - B)$
5. $C - (A \cap B)$
6. $C \cup (A - B)$
7. $(B \cup C) - A$
8. $B - (A \cap C)$
9. $(C \cup A) - B$
10. $B \cup (A - C)$
11. $A \cap (B - C)$
12. $A \cup C \cup B$

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

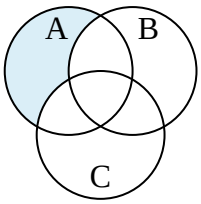
Understanding Union and Intersect Name:

Determine the shaded region of each diagram.

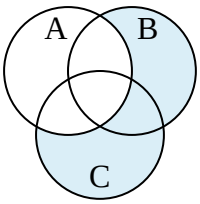
1)



2)



3)



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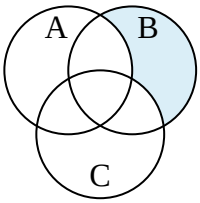
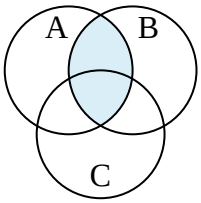


5)



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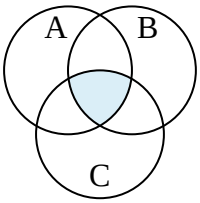

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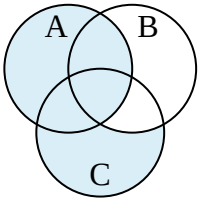

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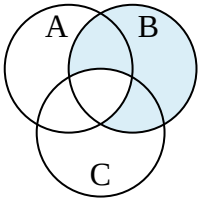
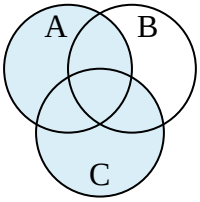


9)



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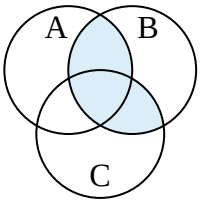

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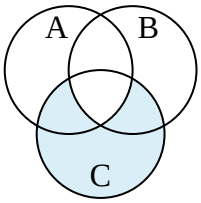

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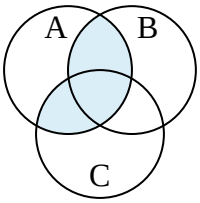

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
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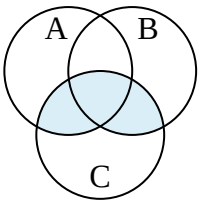
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Understanding Union and Intersect Name: **Answer Key**

Determine the shaded region of each diagram.

1)



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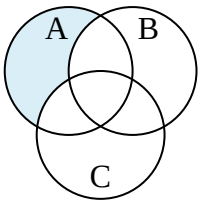
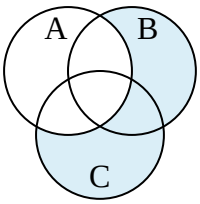
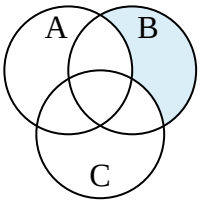


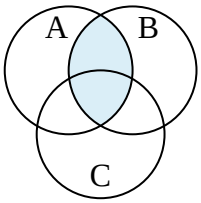
3)



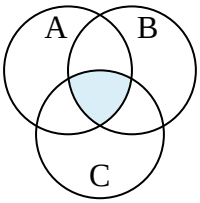
4)



5)



6)



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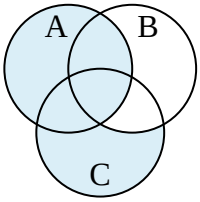

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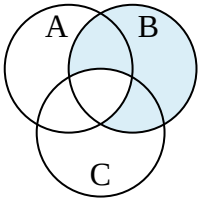

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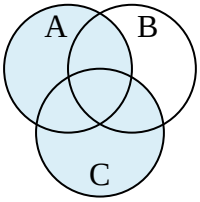

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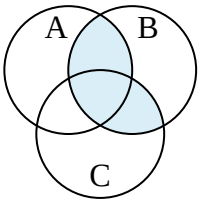
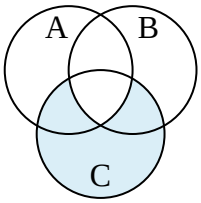


11)



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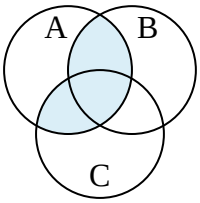

Answers

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. **$(B \cup C) \cap A$**

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