#1-12   **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)

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____
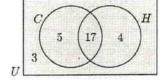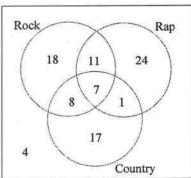
7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13.   The Venn diagram alongside illustrates the number of students in a particular class who study Chemistry (C) and History (H). Determine the number of students:

   a   in the class   **b**   who study both subjects

   c   who study at least one of the subjects
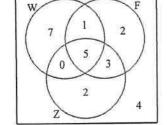
   d   who only study Chemistry.

14.   Using the Venn diagram to the right:

   a.   How many people were surveyed?

   b.   How many people like Rock and Rap?

   c.   How many people like Rock or Country?

15.

The Venn diagram shows the different place students had been in the last year: Water Park (W), Fair (F) and Zoo (Z).

   a.   How many students went to the water park?

   b.   How many students went to the fair and the zoo?