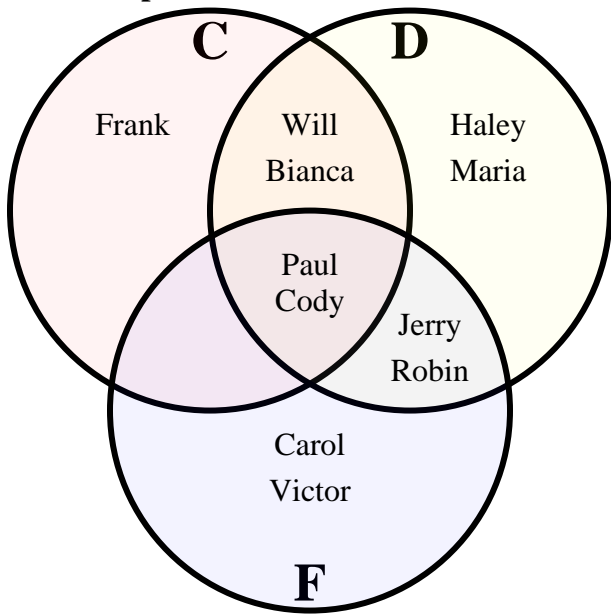




Solve each problem.



**Answers**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. Use Line
8. Use Line
9. Use Line
10. Use Line
11. Use Line
12. Use Line
13. Use Line

- 1) How many people owned a cat?
- 2) How many people owned a dog?
- 3) How many people owned a fish?
- 4) How many people owned ONLY a cat?
- 5) How many people owned ONLY a dog?
- 6) How many people owned ONLY a fish?

7)  $F \cup D =$  \_\_\_\_\_

8)  $F \cap D =$  \_\_\_\_\_

9)  $D - C =$  \_\_\_\_\_

10)  $(D \cap C) - F =$  \_\_\_\_\_

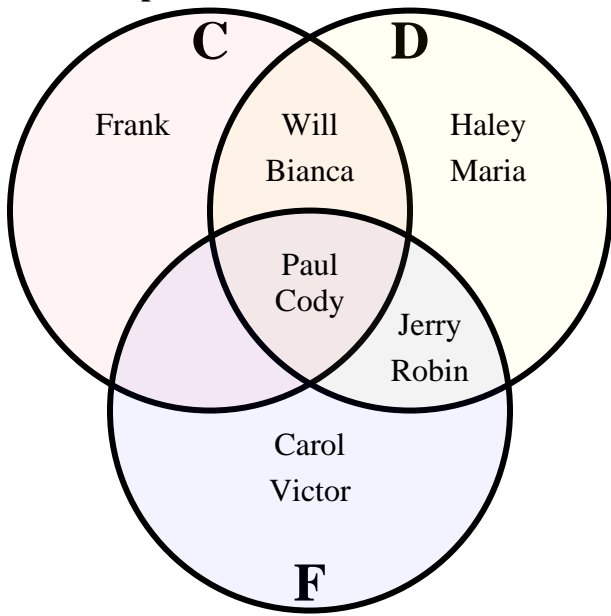
11)  $(D \cup F) - C =$  \_\_\_\_\_

12)  $C =$  \_\_\_\_\_

13)  $F \cap D =$  \_\_\_\_\_



Solve each problem.



**Answers**

1) How many people owned a cat?

1. 5

2) How many people owned a dog?

2. 8

3) How many people owned a fish?

3. 6

4) How many people owned ONLY a cat?

4. 1

5) How many people owned ONLY a dog?

5. 2

6) How many people owned ONLY a fish?

6. 2

7)  $F \cup D =$  { Bianca, Carol, Cody, Haley, Jerry, Maria, Paul, Robin, Victor, Will }

7. Use Line

8)  $F \cap D =$  { Cody, Jerry, Paul, Robin }

8. Use Line

9)  $D - C =$  { Haley, Jerry, Maria, Robin }

9. Use Line

10)  $(D \cap C) - F =$  { Bianca, Will }

10. Use Line

11)  $(D \cup F) - C =$  { Carol, Haley, Jerry, Maria, Robin, Victor }

11. Use Line

12)  $C =$  { Bianca, Cody, Frank, Paul, Will }

12. Use Line

13)  $F \cap C =$  { Cody, Paul }

13. Use Line