The diagram below shows which pet students own. Cat (C), Dog (D) and Fish (F). Use the diagram to answer the questions.

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) D ∪ C = ________________________________

8) D ∩ F = ________________________________

9) C - F = ________________________________

10) (D ∩ C) - F = ________________________________

11) (C ∪ D) - F = ________________________________

12) C = ________________________________

13) D ∩ C = ________________________________
The diagram below shows which pet students own. Cat (C), Dog (D) and Fish (F). Use the diagram to answer the questions.

1) How many people owned a cat? 5

2) How many people owned a dog? 7

3) How many people owned a fish? 7

4) How many people owned ONLY a cat? 0

5) How many people owned ONLY a dog? 2

6) How many people owned ONLY a fish? 2

7) $D \cup C = \{\text{Bill, Cathy, Ed, Fran, Jane, Kelly, Larry, Mary, Nick}\}$

8) $D \cap F = \{\text{Cathy, Larry, Nick}\}$

9) $C - F = \{\text{Bill, Ed}\}$

10) $(D \cap C) - F = \{\text{Bill, Ed}\}$

11) $(C \cup D) - F = \{\text{Bill, Ed, Jane, Kelly}\}$

12) $C = \{\text{Bill, Ed, Fran, Larry, Mary}\}$

13) $DFC = \{\text{Larry}\}$