Name:

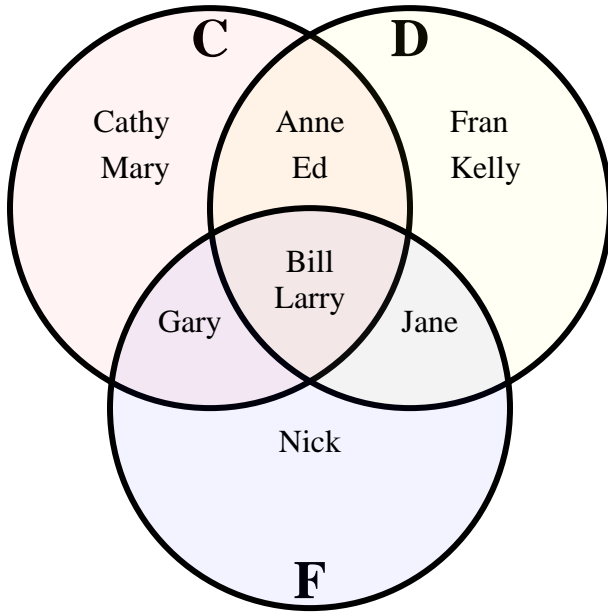**The diagram below shows which pet students own. Cat (C), Dog (D) and Fish(F). Use the diagram to answer the questions.**

1. **Use Line**

2. **Use Line**

3. **Use Line**

4. **Use Line**

5. _____

6. _____

7. _____

8. _____

9. **Use Line**

10. **Use Line**

11. **Use Line**

12. _____

13. **Use Line**

1) C∪F = _____

2) FCD = _____

3) D = _____

4) (F∪C)-D = _____

5) How many people owned ONLY a dog?

6) How many people owned ONLY a fish?

7) How many people owned ONLY a cat?

8) How many people owned a dog?

9) F∩D = _____

10) F∩D = _____

11) (D∩C)-F = _____

12) How many people owned a cat?

13) F-D = _____

Math

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1-10	92	85	77	69	62	54	46	38	31	23
11-13	15	8	0							

Name: **Answer Key**

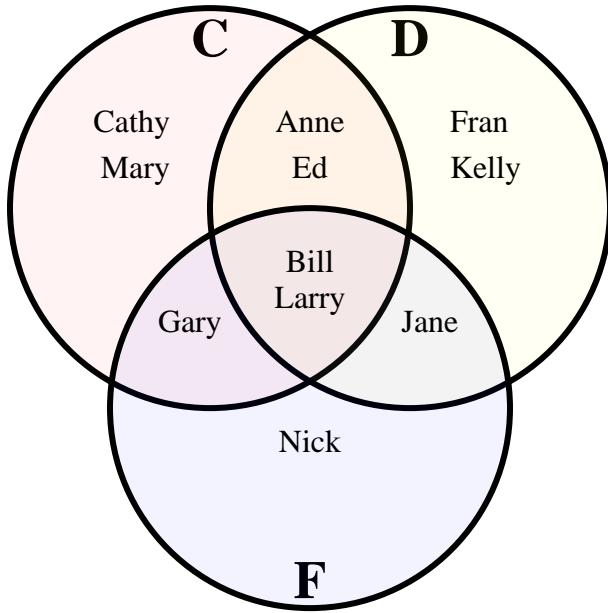**The diagram below shows which pet students own. Cat (C), Dog (D) and Fish(F). Use the diagram to answer the questions.**

1. **Use Line**

2. **Use Line**

3. **Use Line**

4. **Use Line**

5. **2**

6. **1**

7. **2**

8. **7**

9. **Use Line**

10. **Use Line**

11. **Use Line**

12. **7**

13. **Use Line**

1) C∪F = {Anne,Bill,Cathy,Ed,Gary,Jane,Larry,Mary,Nick}

2) FCD = {Bill,Larry}

3) D = {Anne,Bill,Ed,Fran,Jane,Kelly,Larry}

4) (F∪C)-D = {Cathy,Gary,Mary,Nick}

5) How many people owned ONLY a dog?

6) How many people owned ONLY a fish?

7) How many people owned ONLY a cat?

8) How many people owned a dog?

9) F∩D = {Bill,Jane,Larry}

10) F∩D = {Bill,Jane,Larry}

11) (D∩C)-F = {Anne,Ed}

12) How many people owned a cat?

13) F-D = {Gary,Nick}

1-10	92	85	77	69	62	54	46	38	31	23
11-13	15	8	0							