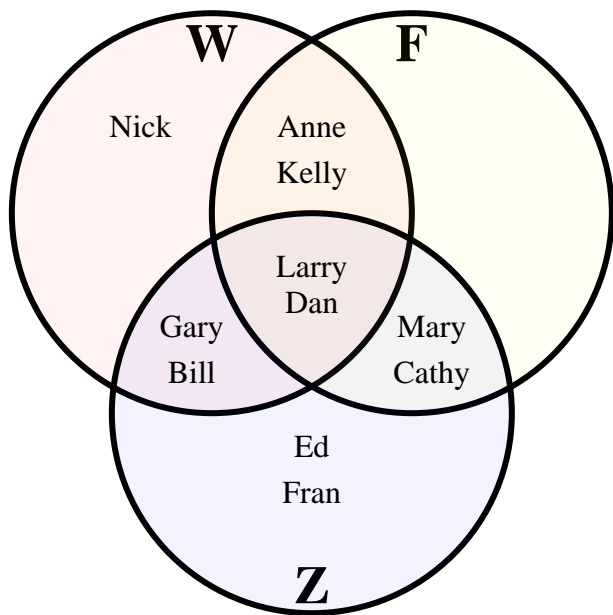# Reading a Venn Diagram

Name:

The diagram below shows the different places students had been in the last year. Water Park (W), Fair (F) and Zoo(Z). Use the diagram to answer the questions.

W **F**

Nick | Anne Kelly

Larry Dan

Gary Bill | Mary Cathy

Ed Fran

Z

1) How many people had been to the water park?_____

2) How many people had been to the fair?_____

3) How many people had been to the zoo?_____

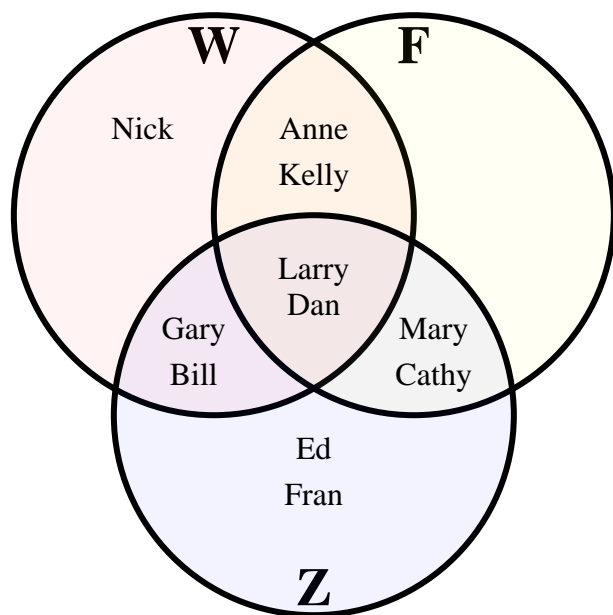**4)** How many people had ONLY been to the water park?_____

5) How many people had ONLY been to the fair?_____

6) How many people had ONLY been to the zoo?_____

7) Z∪F = _____

8) F∩Z = _____

9) F-W = _____

10) (Z∩F)-W = _____

11) (Z∪W)-F = _____

12) Z = _____

13) WZF = _____

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. **Line**

8. **Line**

9. **Line**

10. **Line**

11. **Line**

12. **Line**

13. **Line**

Math

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

Name: **Answer Key**

The diagram below shows the different places students had been in the last year. Water Park (W), Fair (F) and Zoo(Z). Use the diagram to answer the questions.

W   **F**

Nick   Anne Kelly

Larry Dan

Gary Bill   Mary Cathy

Ed Fran

Z

1) How many people had been to the water park? _____ 7 _____

2) How many people had been to the fair? _____ 6 _____

3) How many people had been to the zoo? _____ 8 _____

4) How many people had ONLY been to the water park? _____ 1 _____

5) How many people had ONLY been to the fair? _____ 0 _____

6) How many people had ONLY been to the zoo? _____ 2 _____

7) $Z \cup F$ = _____ {Anne, Bill, Cathy, Dan, Ed, Fran, Gary, Kelly, Larry, Mary} _____

8) $F \cap Z$ = _____ {Cathy, Dan, Larry, Mary} _____

9) F-W = _____ {Cathy, Mary} _____

10) $(Z \cap F)$-W = _____ {Cathy, Mary} _____

11) $(Z \cup W)$-F = _____ {Bill, Ed, Fran, Gary, Nick} _____

12) Z = _____ {Bill, Cathy, Dan, Ed, Fran, Gary, Larry, Mary} _____

13) WZF = _____ {Dan, Larry} _____

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