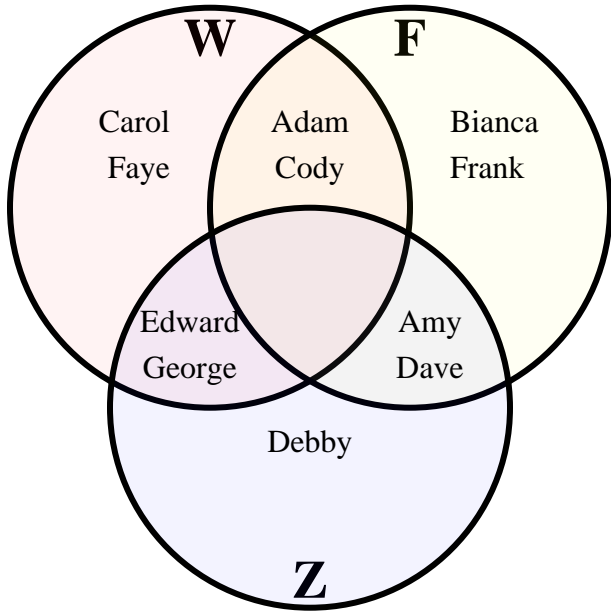




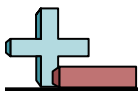
The diagram below shows the different places students had been in the last year. Water Park (W), Fair (F) and Zoo(Z). Use the diagram to answer the questions.



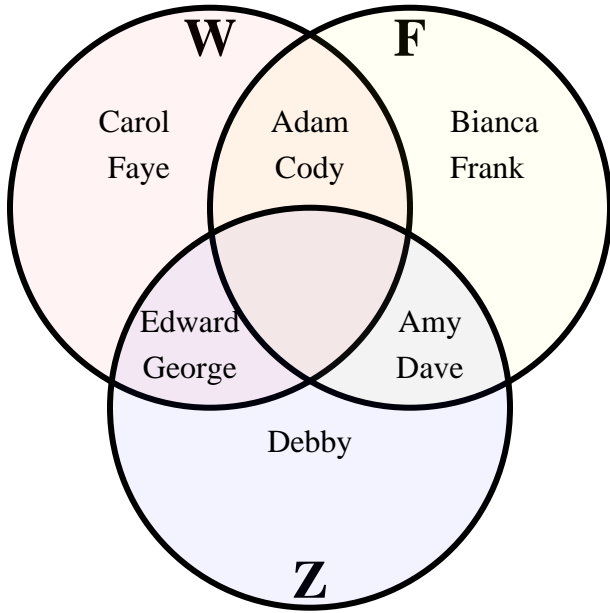
**Answers**

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 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)  $F \cup W =$  \_\_\_\_\_
- 8)  $F \cap Z =$  \_\_\_\_\_
- 9)  $W - Z =$  \_\_\_\_\_
- 10)  $(W \cap Z) - F =$  \_\_\_\_\_
- 11)  $(F \cup W) - Z =$  \_\_\_\_\_
- 12)  $Z =$  \_\_\_\_\_
- 13)  $Z \cap F \cap W =$  \_\_\_\_\_



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.



Answers

- 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)  $F \cup W =$  { Adam, Amy, Bianca, Carol, Cody, Dave, Edward, Faye, Frank, George }
- 8)  $F \cap Z =$  { Amy, Dave }
- 9)  $W - Z =$  { Adam, Carol, Cody, Faye }
- 10)  $(W \cap Z) - F =$  { Edward, George }
- 11)  $(F \cup W) - Z =$  { Adam, Bianca, Carol, Cody, Faye, Frank }
- 12)  $Z =$  { Amy, Dave, Debby, Edward, George }
- 13)  $Z \cap F \cap W =$  { }

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