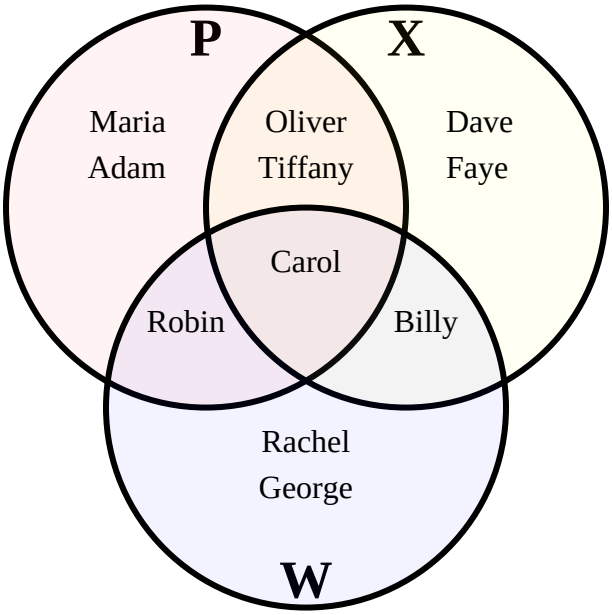
Reading a Venn Diagram

Name:

Solve each problem.



1) How many people owned a Playstation?

2) How many people owned a Xbox?

3) How many people owned a WiiU?

4) How many people owned ONLY a Playstation?

5) How many people owned ONLY a Xbox?

6) How many people owned ONLY a WiiU?

7) X∪P = _____

8) X∩P = _____

9) W-X = _____

10) (W∩X)-P = _____

11) (P∪W)-X = _____

12) X = _____

13) XWP = _____

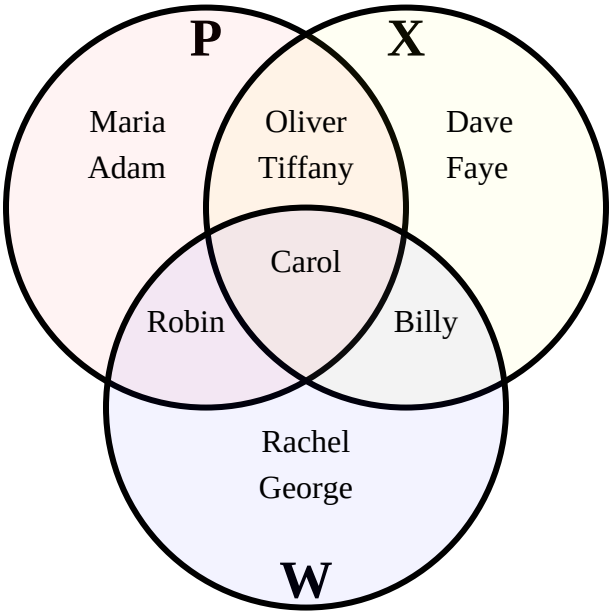
Answers

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

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

Reading a Venn Diagram Name: **Answer Key**

Solve each problem.



1) How many people owned a Playstation?

2) How many people owned a Xbox?

3) How many people owned a WiiU?

4) How many people owned ONLY a Playstation?

5) How many people owned ONLY a Xbox?

6) How many people owned ONLY a WiiU?

7) X∪P = {Adam,Billy,Carol,Dave,Faye,Maria,Oliver,Robin,Tiffany}

8) X∩P = {Carol,Oliver,Tiffany}

9) W-X = {George,Rachel,Robin}

10) (W∩X)-P = {Billy}

11) (P∪W)-X = {Adam,George,Maria,Rachel,Robin}

12) X = {Billy,Carol,Dave,Faye,Oliver,Tiffany}

13) XWP = {Carol}

Answers

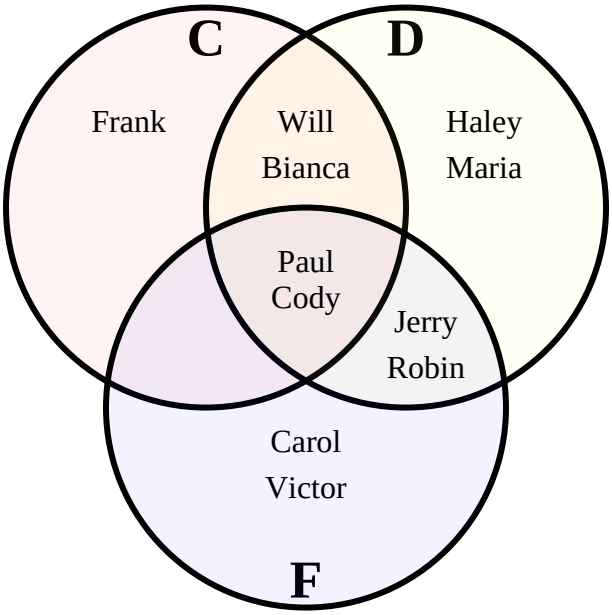
1. 6
2. 6
3. 5
4. 2
5. 2
6. 2
7. Use Line
8. Use Line
9. Use Line
10. Use Line
11. Use Line
12. Use Line
13. Use Line

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

Reading a Venn Diagram

Name:

Solve each problem.



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∪D = _____

8) F∩D = _____

9) D-C = _____

10) (D∩C)-F = _____

11) (D∪F)-C = _____

12) C = _____

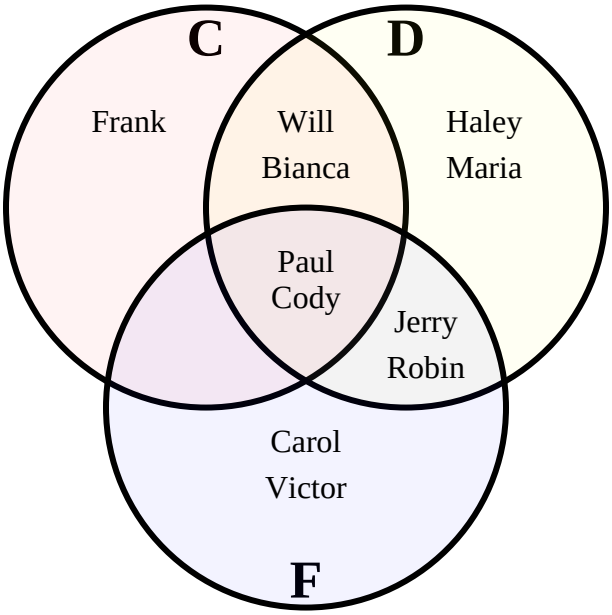
13) FCD = _____

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

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

Solve each problem.



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∪D = {Bianca,Carol,Cody,Haley,Jerry,Maria,Paul,Robin,Victor,Will}

8) F∩D = {Cody,Jerry,Paul,Robin}

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

10) (D∩C)-F = {Bianca,Will}

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

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

13) FCD = {Cody,Paul}

Answers

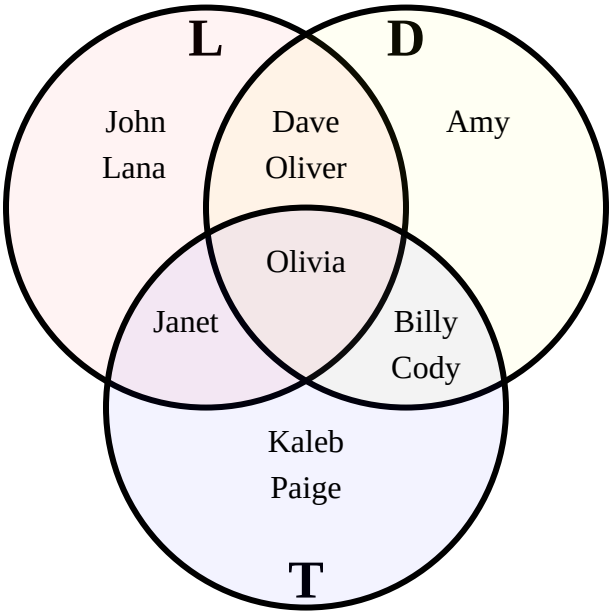
1. 5
2. 8
3. 6
4. 1
5. 2
6. 2
7. Use Line
8. Use Line
9. Use Line
10. Use Line
11. Use Line
12. Use Line
13. Use Line

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

Reading a Venn Diagram

Name:

Solve each problem.



1) How many students owned a laptop computer?

2) How many students owned a desktop computer?

3) How many students owned a tablet?

4) How many students had ONLY a laptop computer?

5) How many students had ONLY a desktop computer?

6) How many students had ONLY a tablet?

7) T∪L = _____

8) D∩L = _____

9) L-T = _____

10) (L∩T)-D = _____

11) (D∪T)-L = _____

12) T = _____

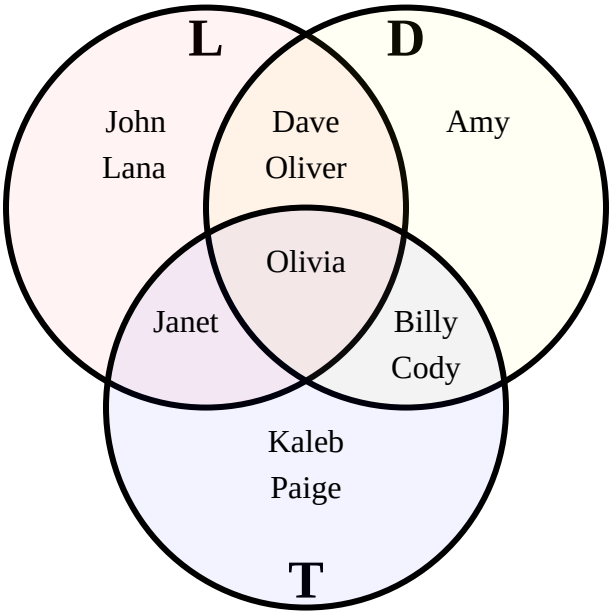
13) DTL = _____

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

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

Solve each problem.



1) How many students owned a laptop computer?

2) How many students owned a desktop computer?

3) How many students owned a tablet?

4) How many students had ONLY a laptop computer?

5) How many students had ONLY a desktop computer?

6) How many students had ONLY a tablet?

7) T∪L = {Billy,Cody,Dave,Janet,John,Kaleb,Lana,Oliver,Olivia,Paige}

8) D∩L = {Dave,Oliver,Olivia}

9) L-T = {Dave,John,Lana,Oliver}

10) (L∩T)-D = {Janet}

11) (D∪T)-L = {Amy,Billy,Cody,Kaleb,Paige}

12) T = {Billy,Cody,Janet,Kaleb,Olivia,Paige}

13) DTL = {Olivia}

Answers

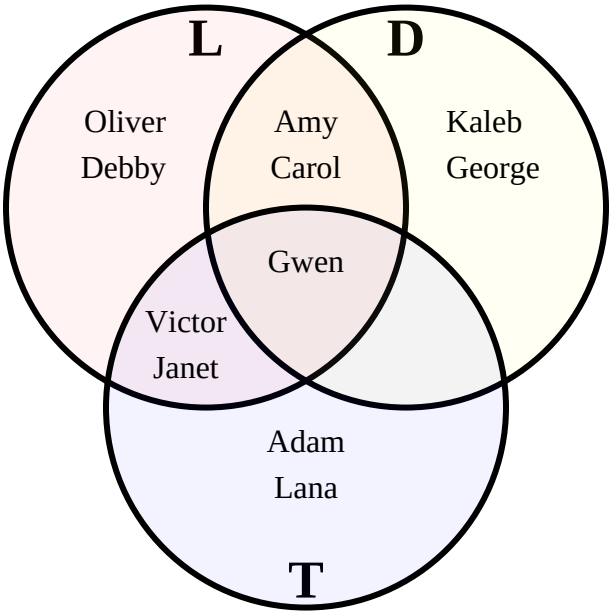
1. 6
2. 6
3. 6
4. 2
5. 1
6. 2
7. Use Line
8. Use Line
9. Use Line
10. Use Line
11. Use Line
12. Use Line
13. Use Line

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

Reading a Venn Diagram

Name:

Solve each problem.



1) How many students owned a laptop computer?

2) How many students owned a desktop computer?

3) How many students owned a tablet?

4) How many students had ONLY a laptop computer?

5) How many students had ONLY a desktop computer?

6) How many students had ONLY a tablet?

7) T∪D = _____

8) D∩T = _____

9) T-D = _____

10) (L∩T)-D = _____

11) (L∪T)-D = _____

12) T = _____

13) LDT = _____

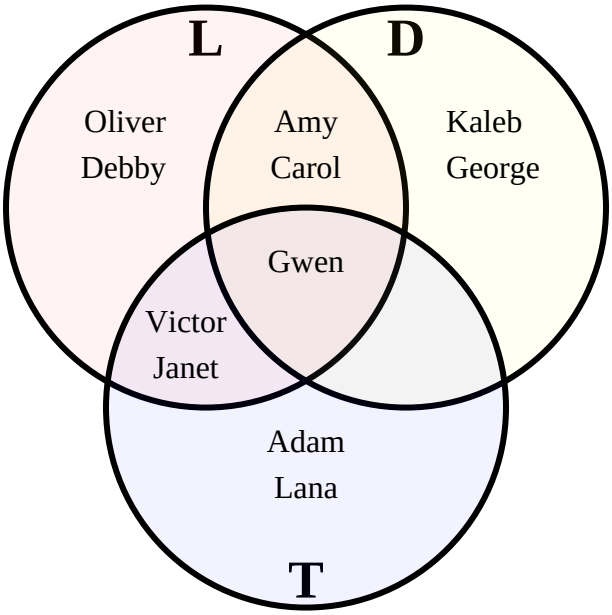
Answers

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

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

Reading a Venn Diagram Name: **Answer Key**

Solve each problem.



1) How many students owned a laptop computer?

2) How many students owned a desktop computer?

3) How many students owned a tablet?

4) How many students had ONLY a laptop computer?

5) How many students had ONLY a desktop computer?

6) How many students had ONLY a tablet?

7) T∪D = {Adam,Amy,Carol,George,Gwen,Janet,Kaleb,Lana,Victor}

8) D∩T = {Gwen}

9) T-D = {Adam,Janet,Lana,Victor}

10) (L∩T)-D = {Janet,Victor}

11) (L∪T)-D = {Adam,Debby,Janet,Lana,Oliver,Victor}

12) T = {Adam,Gwen,Janet,Lana,Victor}

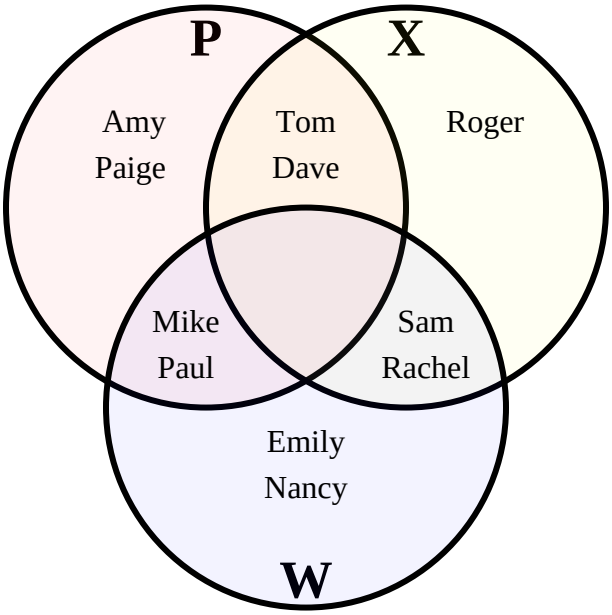
13) LDT = {Gwen}

Answers

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

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

Solve each problem.



1) How many people owned a Playstation?

2) How many people owned a Xbox?

3) How many people owned a WiiU?

4) How many people owned ONLY a Playstation?

5) How many people owned ONLY a Xbox?

6) How many people owned ONLY a WiiU?

7) X∪W = _____

8) W∩X = _____

9) W-X = _____

10) (P∩W)-X = _____

11) (P∪W)-X = _____

12) W = _____

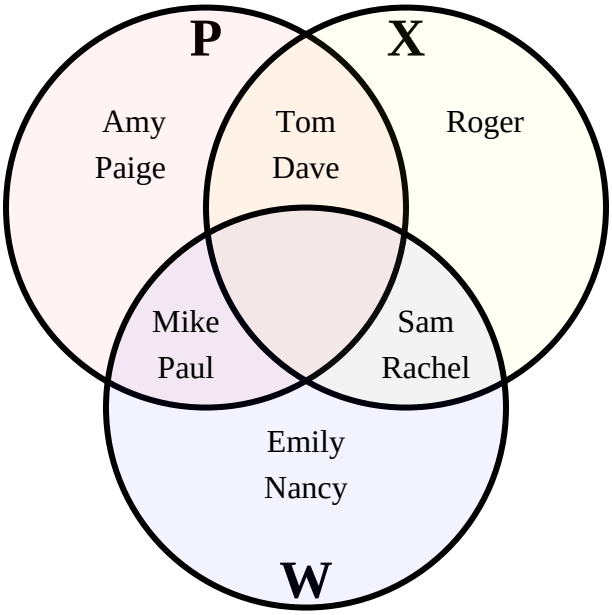
13) XPW = _____

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

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

Solve each problem.



1) How many people owned a Playstation?

2) How many people owned a Xbox?

3) How many people owned a WiiU?

4) How many people owned ONLY a Playstation?

5) How many people owned ONLY a Xbox?

6) How many people owned ONLY a WiiU?

7) X∪W = {Dave,Emily,Mike,Nancy,Paul,Rachel,Roger,Sam,Tom}

8) W∩X = {Rachel,Sam}

9) W-X = {Emily,Mike,Nancy,Paul}

10) (P∩W)-X = {Mike,Paul}

11) (P∪W)-X = {Amy,Emily,Mike,Nancy,Paige,Paul}

12) W = {Emily,Mike,Nancy,Paul,Rachel,Sam}

13) XPW = {}

Answers

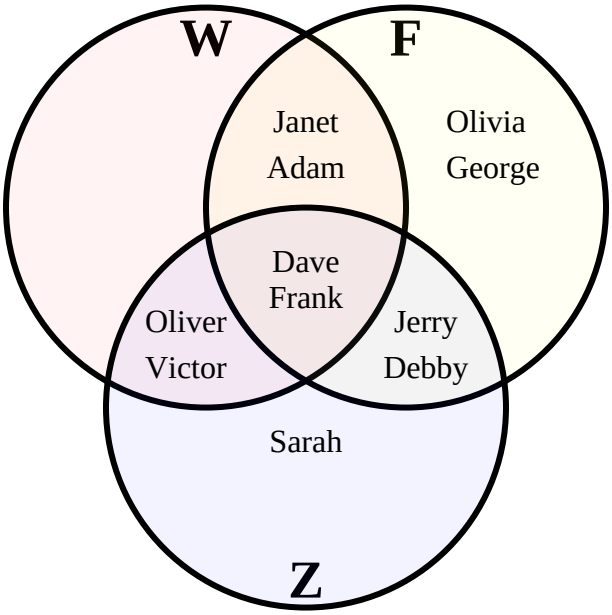
1. 6
2. 5
3. 6
4. 2
5. 1
6. 2
7. Use Line
8. Use Line
9. Use Line
10. Use Line
11. Use Line
12. Use Line
13. Use Line

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

Reading a Venn Diagram

Name:

Solve each problem.



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) W∪F = _____

8) W∩F = _____

9) W-Z = _____

10) (F∩W)-Z = _____

11) (W∪F)-Z = _____

12) W = _____

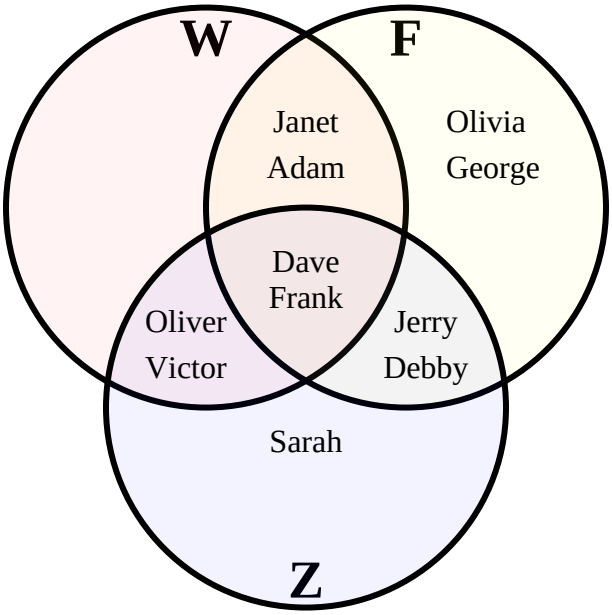
13) ZFW = _____

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 _____

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

Solve each problem.



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) W∪F = {Adam,Dave,Debby,Frank,George,Janet,Jerry,Oliver,Olivia,Victor}

8) W∩F = {Adam,Dave,Frank,Janet}

9) W-Z = {Adam,Janet}

10) (F∩W)-Z = {Adam,Janet}

11) (W∪F)-Z = {Adam,George,Janet,Olivia}

12) W = {Adam,Dave,Frank,Janet,Oliver,Victor}

13) ZFW = {Dave,Frank}

Answers

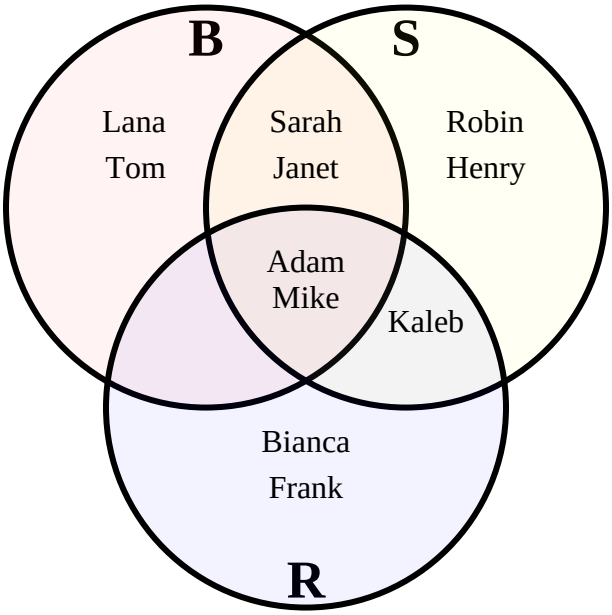
1. 6
2. 8
3. 7
4. 0
5. 2
6. 1
7. Use Line
8. Use Line
9. Use Line
10. Use Line
11. Use Line
12. Use Line
13. Use Line

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

Reading a Venn Diagram

Name:

Solve each problem.



1) How many people had a bike?

2) How many people had a scooter?

3) How many people had roller blades?

4) How many people had ONLY a bike?

5) How many people had ONLY a scooter?

6) How many people had ONLY roller blades?

7) R∪B = _____

8) S∩R = _____

9) B-R = _____

10) (B∩R)-S = _____

11) (B∪R)-S = _____

12) B = _____

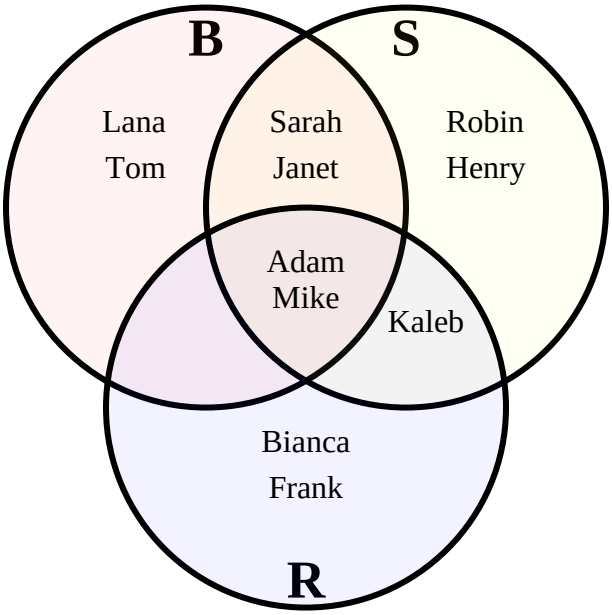
13) RBS = _____

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

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

Solve each problem.



1) How many people had a bike?

2) How many people had a scooter?

3) How many people had roller blades?

4) How many people had ONLY a bike?

5) How many people had ONLY a scooter?

6) How many people had ONLY roller blades?

7) R∪B = {Adam,Bianca,Frank,Janet,Kaleb,Lana,Mike,Sarah,Tom}

8) S∩R = {Adam,Kaleb,Mike}

9) B-R = {Janet,Lana,Sarah,Tom}

10) (B∩R)-S = {}

11) (B∪R)-S = {Bianca,Frank,Lana,Tom}

12) B = {Adam,Janet,Lana,Mike,Sarah,Tom}

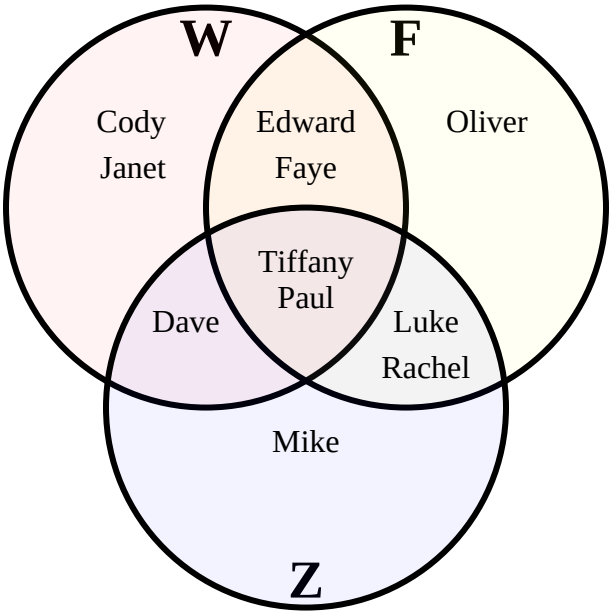
13) RBS = {Adam,Mike}

Answers

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

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

Solve each problem.



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) W∪F = _____

8) Z∩F = _____

9) F-Z = _____

10) (F∩W)-Z = _____

11) (F∪W)-Z = _____

12) F = _____

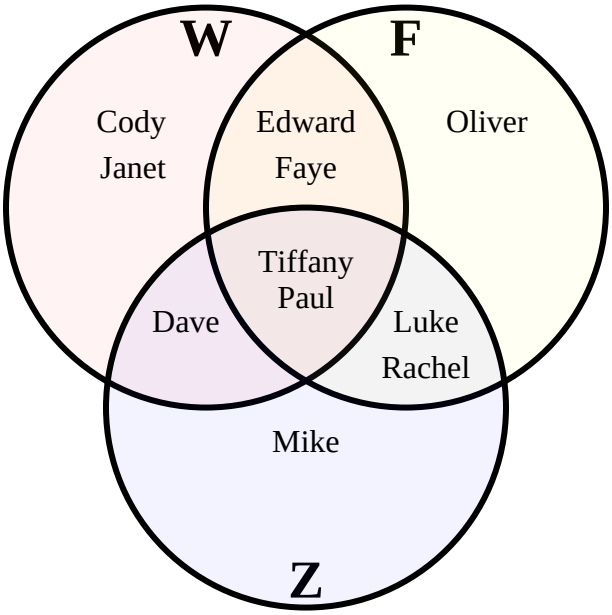
13) ZWF = _____

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

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

Solve each problem.



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) W∪F = {Cody,Dave,Edward,Faye,Janet,Luke,Oliver,Paul,Rachel,Tiffany}

8) Z∩F = {Luke,Paul,Rachel,Tiffany}

9) F-Z = {Edward,Faye,Oliver}

10) (F∩W)-Z = {Edward,Faye}

11) (F∪W)-Z = {Cody,Edward,Faye,Janet,Oliver}

12) F = {Edward,Faye,Luke,Oliver,Paul,Rachel,Tiffany}

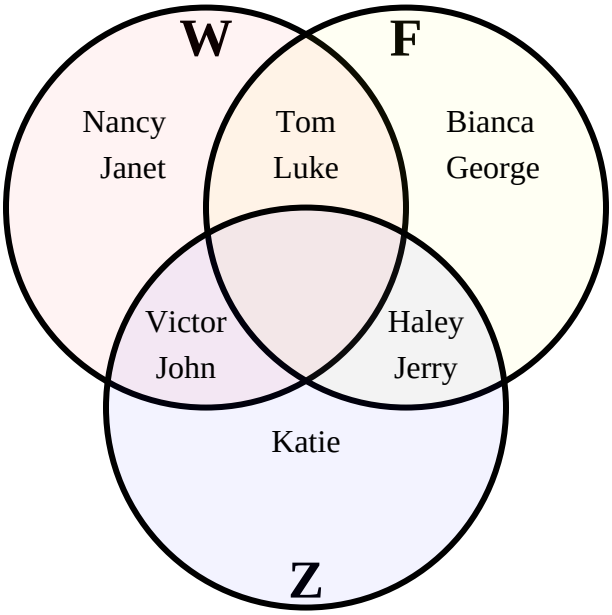
13) ZWF = {Paul,Tiffany}

Answers

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

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

Solve each problem.



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∪W = _____

8) F∩Z = _____

9) W-Z = _____

10) (W∩Z)-F = _____

11) (F∪W)-Z = _____

12) Z = _____

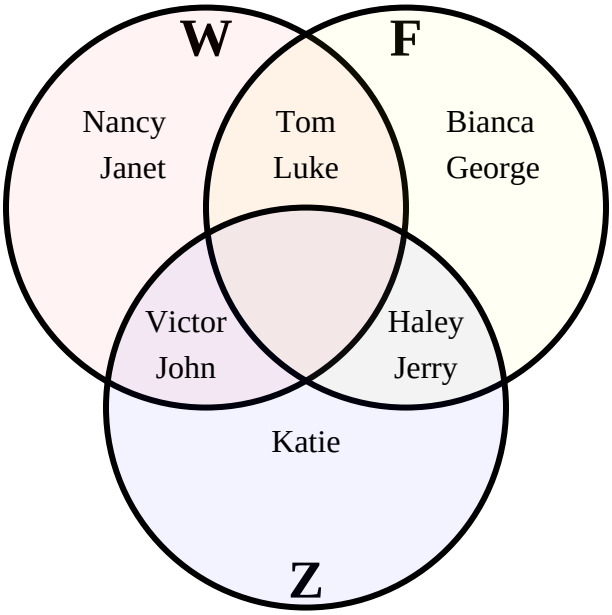
13) ZFW = _____

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

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

Solve each problem.



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∪W = {Bianca,George,Haley,Janet,Jerry,John,Luke,Nancy,Tom,Victor}

8) F∩Z = {Haley,Jerry}

9) W-Z = {Janet,Luke,Nancy,Tom}

10) (W∩Z)-F = {John,Victor}

11) (F∪W)-Z = {Bianca,George,Janet,Luke,Nancy,Tom}

12) Z = {Haley,Jerry,John,Katie,Victor}

13) ZFW = {}

Answers

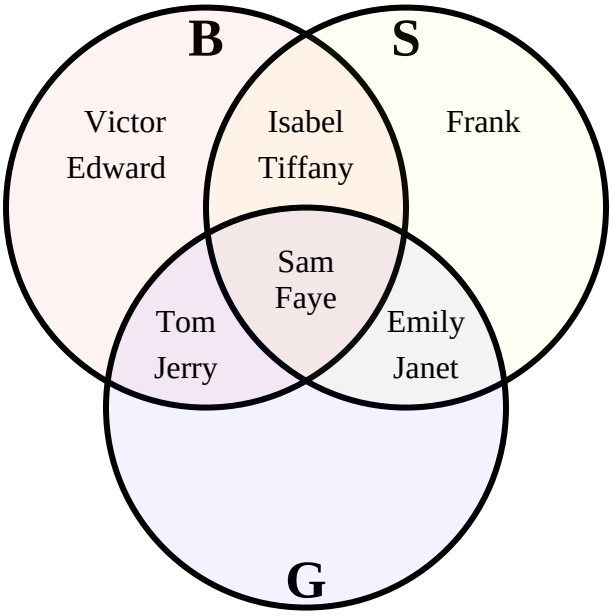
1. 6
2. 6
3. 5
4. 2
5. 2
6. 1
7. Use Line
8. Use Line
9. Use Line
10. Use Line
11. Use Line
12. Use Line
13. Use Line

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

Reading a Venn Diagram

Name:

Solve each problem.



1) How many students played baseball?

2) How many students played soccer?

3) How many students played golf?

4) How many students played ONLY baseball?

5) How many students played ONLY soccer?

6) How many students played ONLY golf?

7) B∪S = _____

8) B∩S = _____

9) S-B = _____

10) (S∩G)-B = _____

11) (B∪G)-S = _____

12) S = _____

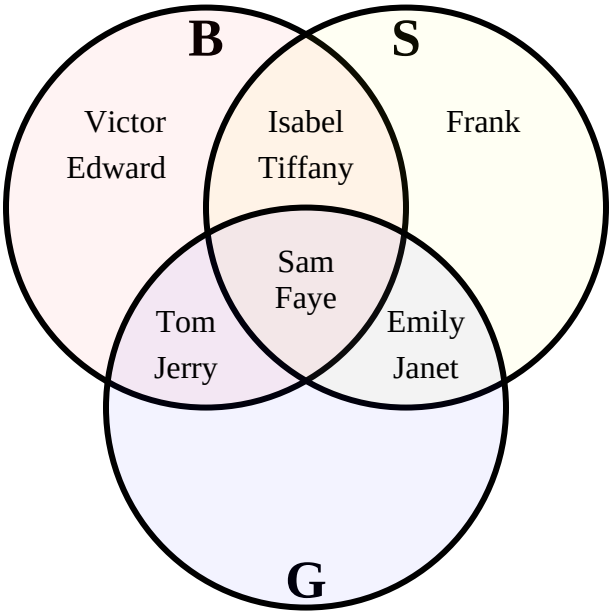
13) SGB = _____

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

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

Solve each problem.



1) How many students played baseball?

2) How many students played soccer?

3) How many students played golf?

4) How many students played ONLY baseball?

5) How many students played ONLY soccer?

6) How many students played ONLY golf?

7) B∪S = {Edward,Emily,Faye,Frank,Isabel,Janet,Jerry,Sam,Tiffany,Tom,Victor}

8) B∩S = {Faye,Isabel,Sam,Tiffany}

9) S-B = {Emily,Frank,Janet}

10) (S∩G)-B = {Emily,Janet}

11) (B∪G)-S = {Edward,Jerry,Tom,Victor}

12) S = {Emily,Faye,Frank,Isabel,Janet,Sam,Tiffany}

13) SGB = {Faye,Sam}

Answers

1. 8
2. 7
3. 6
4. 2
5. 1
6. 0
7. Use Line
8. Use Line
9. Use Line
10. Use Line
11. Use Line
12. Use Line
13. Use Line

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