1) The diagram below shows the classes students are taking.

music  drama

11  10  20

How many students are taking drama?

2) The diagram below shows the attributes of flowers in a flower shop.

red  thorns

19  3  3

How many flowers only had thorns?

3) The diagram below shows the pets students in a class owned.

dog  cat

12  20  10

How many people had a dog?

4) The diagram below shows the sports people watched.

soccer  baseball

17  11  4

How many people watched baseball?

5) The diagram below shows the drinks people consumed at the football game.

water  soda

10  13  16

How many people drank water?

6) The diagram below shows the gender of students siblings.

brother  sister

19  18  8

How many students had a sister?

Use the diagram to solve each problem.

Reading a Venn Diagram

Math

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Name:

Answers

1. __________
2. __________
3. __________
4. __________
5. __________
6. __________
Use the diagram to solve each problem.

1) The diagram below shows the classes students are taking.

- Music: 11
- Drama: 10
- Both: 20

How many students are taking drama?

2) The diagram below shows the attributes of flowers in a flower shop.

- Red: 19
- Thorns: 3
- Both: 3

How many flowers only had thorns?

3) The diagram below shows the pets students in a class owned.

- Dog: 12
- Cat: 20
- Both: 10

How many people had a dog?

4) The diagram below shows the sports people watched.

- Soccer: 17
- Baseball: 11
- Both: 4

How many people watched baseball?

5) The diagram below shows the drinks people consumed at the football game.

- Water: 10
- Soda: 13
- Both: 16

How many people drank water?

6) The diagram below shows the gender of students siblings.

- Brother: 19
- Sister: 18
- Both: 8

How many students had a sister?
Use the diagram to solve each problem.

1) The diagram below shows the sports people watched.

- Soccer: 19
- Baseball: 15
- Both: 11

How many people did not watch both soccer and baseball?

2) The diagram below shows the game consoles students owned.

- Ps4: 16
- Xbox: 15
- Both: 13

How many people owned only a Ps4?

3) The diagram below shows the attributes of flowers in a flower shop.

- Red: 8
- Thorns: 9
- Both: 14

How many flowers only had thorns?

4) The diagram below shows the gender of students siblings.

- Brother: 2
- Sister: 20
- Both: 19

How many students had both a brother and a sister?

5) The diagram below shows the types of computers students owned.

- Desktop: 19
- Laptop: 19
- Both: 2

How many students owned only a desktop computer?

6) The diagram below shows the classes students are taking.

- Music: 8
- Drama: 8
- Both: 9

How many students are not taking both music and drama?
Use the diagram to solve each problem.

1) The diagram below shows the sports people watched.

soccer  baseball

19  15  11

How many people did not watch both soccer and baseball?

2) The diagram below shows the game consoles students owned.

Ps4  Xbox

16  15  13

How many people owned only a Ps4?

3) The diagram below shows the attributes of flowers in a flower shop.

red  thorns

8  9  14

How many flowers only had thorns?

4) The diagram below shows the gender of students siblings.

brother  sister

2  20  19

How many students had both a brother and a sister?

5) The diagram below shows the types of computers students owned.

desktop  laptop

19  19  2

How many students owned only a desktop computer?

6) The diagram below shows the classes students are taking.

music  drama

8  8  9

How many students are not taking both music and drama?
1) The diagram below shows the drinks people consumed at the football game.

- Water: 1
- Soda: 3
- Both: 9

How many people did not drink both water and soda?

2) The diagram below shows the game consoles students owned.

- Ps4: 17
- Xbox: 4
- Both: 6

How many people owned only a Ps4?

3) The diagram below shows the gender of students siblings.

- Brother: 18
- Sister: 14
- Both: 15

How many students had a brother?

4) The diagram below shows the classes students are taking.

- Music: 6
- Drama: 19
- Both: 12

How many students are taking both music and drama?

5) The diagram below shows the attributes of flowers in a flower shop.

- Red: 12
- Thorns: 12
- Both: 4

How many flowers had thorns?

6) The diagram below shows the types of computers students owned.

- Desktop: 18
- Laptop: 17
- Both: 9

How many students owned a desktop computer?
1) The diagram below shows the drinks people consumed at the football game.

- Water: 1
- Soda: 3
- Both: 9

How many people did not drink both water and soda?

2) The diagram below shows the game consoles students owned.

- PS4: 17
- Xbox: 4
- Both: 6

How many people owned only a PS4?

3) The diagram below shows the gender of students siblings.

- Brother: 18
- Sister: 14
- Both: 15

How many students had a brother?

4) The diagram below shows the classes students are taking.

- Music: 6
- Drama: 19
- Both: 12

How many students are taking both music and drama?

5) The diagram below shows the attributes of flowers in a flower shop.

- Red: 12
- Thorns: 12
- Both: 4

How many flowers had thorns?

6) The diagram below shows the types of computers students owned.

- Desktop: 18
- Laptop: 17
- Both: 9

How many students owned a desktop computer?
1) The diagram below shows the attributes of flowers in a flower shop.

How many flowers had thorns?

```
red   thorns
5     9     12
```

2) The diagram below shows the pets students in a class owned.

How many people did not have both a cat and a dog?

```
dog   cat
5     18    12
```

3) The diagram below shows the gender of students siblings.

How many students had a brother?

```
brother   sister
5       8       15
```

4) The diagram below shows the game consoles students owned.

How many people owned both a Ps4 and a Xbox?

```
Ps4   Xbox
9     17      1
```

5) The diagram below shows the drinks people consumed at the football game.

How many people did not drink both water and soda?

```
water   soda
11     12      18
```

6) The diagram below shows the types of computers students owned.

How many students owned a desktop computer?

```
desktop   laptop
16       8       7
```
1) The diagram below shows the attributes of flowers in a flower shop.
   - Red
   - Thorns
   How many flowers had thorns?

2) The diagram below shows the pets students in a class owned.
   - Dog
   - Cat
   How many people did not have both a cat and a dog?

3) The diagram below shows the gender of students siblings.
   - Brother
   - Sister
   How many students had a brother?

4) The diagram below shows the game consoles students owned.
   - Ps4
   - Xbox
   How many people owned both a Ps4 and a Xbox?

5) The diagram below shows the drinks people consumed at the football game.
   - Water
   - Soda
   How many people did not drink both water and soda?

6) The diagram below shows the types of computers students owned.
   - Desktop
   - Laptop
   How many students owned a desktop computer?
Use the diagram to solve each problem.

1) The diagram below shows the sports people watched.
   soccer  baseball
   20  15  12

   How many people watched both soccer and baseball?

2) The diagram below shows the attributes of flowers in a flower shop.
   red  thorns
   20  9  7

   How many flowers were only red?

3) The diagram below shows the types of computers students owned.
   desktop  laptop
   12  17  8

   How many students owned a laptop computer?

4) The diagram below shows the pets students in a class owned.
   dog  cat
   13  17  8

   How many people did not have both a cat and a dog?

5) The diagram below shows the gender of students siblings.
   brother  sister
   9  19  7

   How many students had only a brother?

6) The diagram below shows the drinks people consumed at the football game.
   water  soda
   18  2  19

   How many people drank both water and soda?
Use the diagram to solve each problem.

1) The diagram below shows the sports people watched.

- soccer
- baseball

How many people watched both soccer and baseball?

2) The diagram below shows the attributes of flowers in a flower shop.

- red
- thorns

How many flowers were only red?

3) The diagram below shows the types of computers students owned.

- desktop
- laptop

How many students owned a laptop computer?

4) The diagram below shows the pets students in a class owned.

- dog
- cat

How many people did not have both a cat and a dog?

5) The diagram below shows the gender of students siblings.

- brother
- sister

How many students had only a brother?

6) The diagram below shows the drinks people consumed at the football game.

- water
- soda

How many people drank both water and soda?

Answers

1. 15
2. 20
3. 25
4. 21
5. 9
6. 2
1) The diagram below shows the classes students are taking.

How many students are taking only drama?

2) The diagram below shows the sports people watched.

How many people only watched soccer?

3) The diagram below shows the gender of students siblings.

How many students did not have both a brother and a sister?

4) The diagram below shows the game consoles students owned.

How many people owned both a Ps4 and a Xbox?

5) The diagram below shows the pets students in a class owned.

How many people did not have both a cat and a dog?

6) The diagram below shows the drinks people consumed at the football game.

How many people drank only water?
Use the diagram to solve each problem.

1) The diagram below shows the classes students are taking.

   music  drama
   7    4    17

   How many students are taking only drama?

2) The diagram below shows the sports people watched.

   soccer  baseball
   16    6    16

   How many people only watched soccer?

3) The diagram below shows the gender of students siblings.

   brother  sister
   8    4    19

   How many students did not have both a brother and a sister?

4) The diagram below shows the game consoles students owned.

   Ps4  Xbox
   3    11    20

   How many people owned both a Ps4 and a Xbox?

5) The diagram below shows the pets students in a class owned.

   dog  cat
   9    7    4

   How many people did not have both a cat and a dog?

6) The diagram below shows the drinks people consumed at the football game.

   water  soda
   6    6    5

   How many people drank only water?

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<td>27</td>
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<td>6</td>
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</tbody>
</table>
Use the diagram to solve each problem.

1) The diagram below shows the types of computers students owned.

How many students owned only a laptop computer?

2) The diagram below shows the attributes of flowers in a flower shop.

How many flowers had thorns?

3) The diagram below shows the drinks people consumed at the football game.

How many people did not drink both water and soda?

4) The diagram below shows the pets students in a class owned.

How many people had a cat?

5) The diagram below shows the classes students are taking.

How many students are taking music?

6) The diagram below shows the gender of students siblings.

How many students had a brother?
Use the diagram to solve each problem.

1) The diagram below shows the types of computers students owned.
   - desktop
   - laptop
   - 7
   - 9
   - 14

   How many students owned only a laptop computer?

2) The diagram below shows the attributes of flowers in a flower shop.
   - red
   - thorns
   - 15
   - 17
   - 10

   How many flowers had thorns?

3) The diagram below shows the drinks people consumed at the football game.
   - water
   - soda
   - 10
   - 19
   - 15

   How many people did not drink both water and soda?

4) The diagram below shows the pets students in a class owned.
   - dog
   - cat
   - 3
   - 9
   - 14

   How many people had a cat?

5) The diagram below shows the classes students are taking.
   - music
   - drama
   - 17
   - 12
   - 7

   How many students are taking music?

6) The diagram below shows the gender of students siblings.
   - brother
   - sister
   - 2
   - 3
   - 18

   How many students had a brother?
Use the diagram to solve each problem.

1) The diagram below shows the sports people watched.
   soccer  baseball
   10 6 1
   How many people watched both soccer and baseball?

2) The diagram below shows the pets students in a class owned.
   dog  cat
   7 4 1
   How many people had only a dog?

3) The diagram below shows the drinks people consumed at the football game.
   water  soda
   9 20 4
   How many people drank only water?

4) The diagram below shows the game consoles students owned.
   Ps4  Xbox
   8 2 19
   How many people owned both a Ps4 and a Xbox?

5) The diagram below shows the attributes of flowers in a flower shop.
   red  thorns
   11 6 6
   How many flowers had thorns?

6) The diagram below shows the classes students are taking.
   music  drama
   11 20 13
   How many students are taking only music?
Use the diagram to solve each problem.

1) The diagram below shows the sports people watched.
   soccer  |  baseball
   -------+---------
   10     |   6     |   1

   How many people watched both soccer and baseball?

2) The diagram below shows the pets students in a class owned.
   dog   |  cat
   -------+---------
   7      |   4     |   1

   How many people had only a dog?

3) The diagram below shows the drinks people consumed at the football game.
   water |  soda
   -------+---------
   9      |   20    |   4

   How many people drank only water?

4) The diagram below shows the game consoles students owned.
   Ps4   |  Xbox
   -------+---------
   8      |   2     |   19

   How many people owned both a Ps4 and a Xbox?

5) The diagram below shows the attributes of flowers in a flower shop.
   red   |  thorns
   -------+---------
   11     |   6     |   6

   How many flowers had thorns?

6) The diagram below shows the classes students are taking.
   music |  drama
   -------+---------
   11     |   20    |   13

   How many students are taking only music?
1) The diagram below shows the game consoles students owned.

How many people owned a Xbox?

2) The diagram below shows the sports people watched.

How many people watched baseball?

3) The diagram below shows the attributes of flowers in a flower shop.

How many flowers were not red with thorns?

4) The diagram below shows the types of computers students owned.

How many students did not own both a desktop and a laptop computer?

5) The diagram below shows the drinks people consumed at the football game.

How many people drank soda?

6) The diagram below shows the pets students in a class owned.

How many people had a cat?
1) The diagram below shows the game consoles students owned.

Ps4    Xbox
8      18     4

How many people owned a Xbox?

2) The diagram below shows the sports people watched.

soccer    baseball
8       3     12

How many people watched baseball?

3) The diagram below shows the attributes of flowers in a flower shop.

red    thorns
16    20     19

How many flowers were not red with thorns?

4) The diagram below shows the types of computers students owned.

desktop    laptop
20    20     6

How many students did not own both a desktop and a laptop computer?

5) The diagram below shows the drinks people consumed at the football game.

water    soda
16    20     6

How many people drank soda?

6) The diagram below shows the pets students in a class owned.

dog    cat
11    12     19

How many people had a cat?
Use the diagram to solve each problem.

1) The diagram below shows the classes students are taking.
   - music
   - drama
   - 5
   - 3
   - 18

   How many students are taking music?

2) The diagram below shows the pets students in a class owned.
   - dog
   - cat
   - 14
   - 8
   - 19

   How many people had a dog?

3) The diagram below shows the game consoles students owned.
   - Ps4
   - Xbox
   - 6
   - 2
   - 17

   How many people owned a Xbox?

4) The diagram below shows the types of computers students owned.
   - desktop
   - laptop
   - 10
   - 6
   - 18

   How many students owned both a desktop and a laptop computer?

5) The diagram below shows the attributes of flowers in a flower shop.
   - red
   - thorns
   - 5
   - 12
   - 17

   How many flowers only had thorns?

6) The diagram below shows the drinks people consumed at the football game.
   - water
   - soda
   - 1
   - 2
   - 17

   How many people drank both water and soda?
Use the diagram to solve each problem.

1) The diagram below shows the classes students are taking.

   music  drama
   5      3      18

How many students are taking music?

2) The diagram below shows the pets students in a class owned.

   dog  cat
   14    8      19

How many people had a dog?

3) The diagram below shows the game consoles students owned.

   Ps4  Xbox
   6      2      17

How many people owned a Xbox?

4) The diagram below shows the types of computers students owned.

   desktop  laptop
   10      6      18

How many students owned both a desktop and a laptop computer?

5) The diagram below shows the attributes of flowers in a flower shop.

   red  thorns
   5     12     17

How many flowers only had thorns?

6) The diagram below shows the drinks people consumed at the football game.

   water  soda
   1      2      17

How many people drank both water and soda?