Use the diagram to solve each problem.

1) The diagram below shows the sports people watched.

- The number of people who watched soccer is 10.
- The number of people who watched baseball is 6.
- The number of people who watched both soccer and baseball is 1.

How many people watched both soccer and baseball?

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

- The number of people who owned a dog is 7.
- The number of people who owned a cat is 4.
- The number of people who owned both a dog and a cat is 1.

How many people had only a dog?

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

- The number of people who drank water is 9.
- The number of people who drank soda is 20.
- The number of people who drank only water is 4.

How many people drank only water?

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

- The number of people who owned a Ps4 is 8.
- The number of people who owned a Xbox is 2.
- The number of people who owned both a Ps4 and a Xbox is 19.

How many people owned both a Ps4 and a Xbox?

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

- The number of flowers that are red is 11.
- The number of flowers that have thorns is 6.
- The number of flowers that are both red and have thorns is 6.

How many flowers had thorns?

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

- The number of students who are taking music is 11.
- The number of students who are taking drama is 20.
- The number of students who are taking both music and drama is 13.

How many students are taking only music?

Answers:

1. 
2. 
3. 
4. 
5. 
6. 

Reading a Venn Diagram

Math

www.CommonCoreSheets.com
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?