

Exploring Venn Diagrams

NAME:

I took a survey among my 50 gamer friends. Here are some results. Draw a good-sized Venn diagram for the three groups (likes driving games, likes first-person shooters, likes puzzle games). Be sure to find (and clearly label) the number of friends in *each* region. Then answer the two questions that follow.

5 gamers like driving games, first-person shooters, and puzzle games.

3 gamers do *not* like any of these three types of games. (Their jam is elsewhere.)

11 gamers like both driving games and first-person shooters.

8 gamers like both driving games and puzzle games.

12 gamers like both first-person shooters and puzzle games.

A total of 22 gamers like puzzle games.

A total of 22 gamers like driving games.

A total of 29 gamers like first-person shooters.

How many gamers surveyed like puzzle games but do *not* like driving or first-person shooters?

How many gamers surveyed do *not* like driving games?