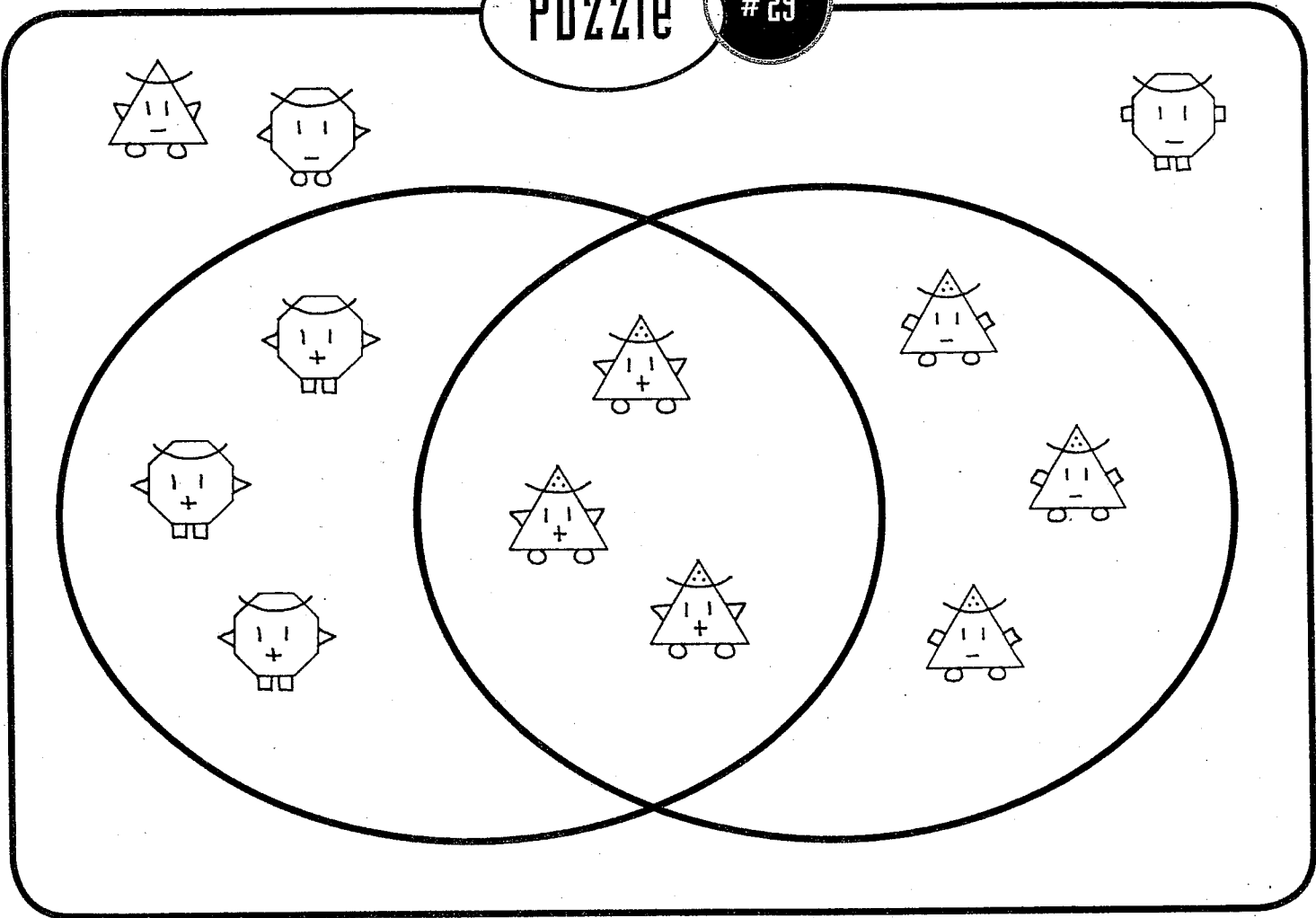


3) At a buffet, 24 persons chose beef and 20 chose pork. Ten people chose both beef and pork. Each person at the buffet chose at least one of the two meats. How many people were served at the buffet?

4) At Walpole High School, 36 freshmen take woodworking. Twenty-five take cooking. Nine take both courses. There are 108 students in the freshman class. How many freshmen take neither woodworking nor cooking?

Venn Perplexors

Puzzle # 29



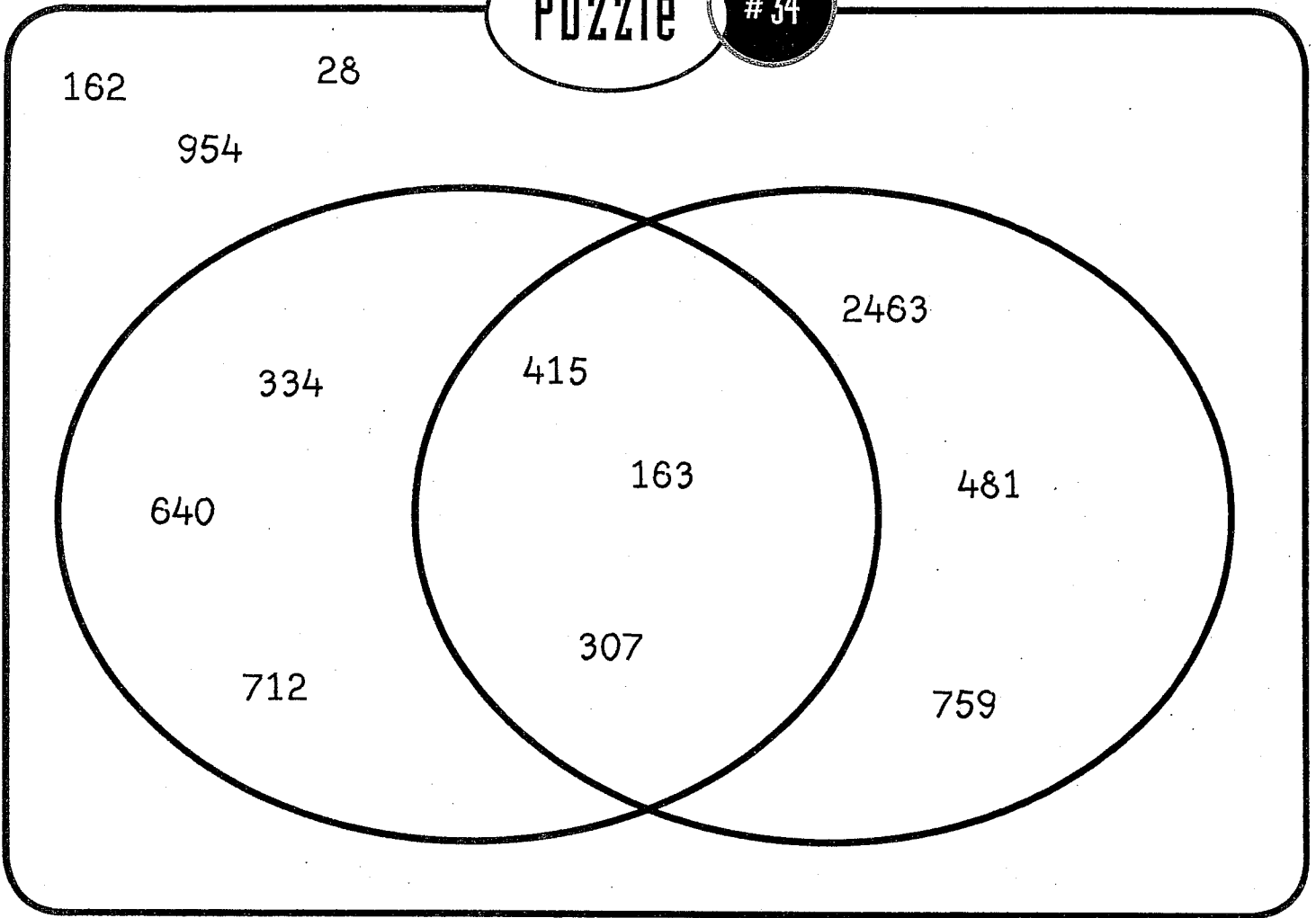
Study the elements in the Venn diagram. Decide what sets the two ovals represent. Write the answers below.

Left oval: _____

Right oval: _____

Venn Perplexors

Puzzle #34



? Study the elements in the Venn diagram. Decide what sets the two ovals represent. Write the answers below.

Left oval: _____

Right oval: _____

Venn Perplexors

The Story: Texas

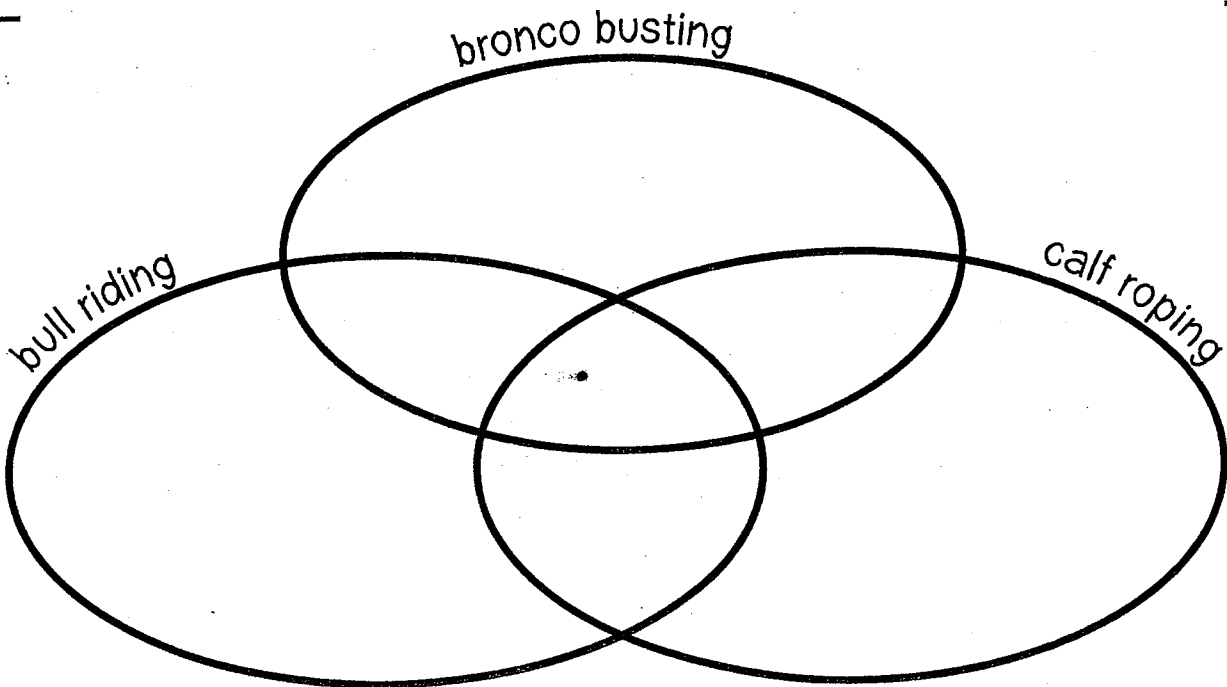
Rodeos are popular events in the Lone Star State and when the group of students visited a high school they arrived just in time to cheer on local students who were participating in a practice rodeo. There were 3 events: bull riding, bronco busting, and calf roping.

The Clues

- 8 students did bull riding.
- 13 students did bronco busting.
- 5 students did only calf-roping.
- 2 students did all 3 events.
- 6 students did bull riding and bronco busting.
- 3 students did bronco busting and calf roping.
- The number of students who did both bull riding and calf roping was $\frac{1}{2}$ the number who did just bronco busting.

Puzzle

#15



? Of the participating students, what percentage did exactly 1 of the 3 events? _____

Venn Perplexors

Acc.

The Story: Missouri

In Missouri the group of 24 students visited Hannibal, the home of Mark Twain.

The Clues

11 of the students had read Twain's book *The Adventures of Tom Sawyer*.

7 had read his book *The Adventures of Huckleberry Finn*.

10 had read his book *The Prince and the Pauper*.

3 had read both *The Adventures of Huckleberry Finn* and *The Adventures of Tom Sawyer*.

4 had read both *The Adventures of Tom Sawyer* and *The Prince and the Pauper*.

1 had read both *The Prince and the Pauper* and *The Adventures of Huckleberry Finn*.

1 had read all 3 stories.

Puzzle

#2

— students

— had read none

Tom Sawyer

The Prince and the Pauper

Huck Finn

?

How many had read none of the 3 books by Twain? —