

Name:

Pd:

LG 7.2

Name:

Date:

Period:

7.2: Interpret and calculate probabilities from a table or Venn Diagram

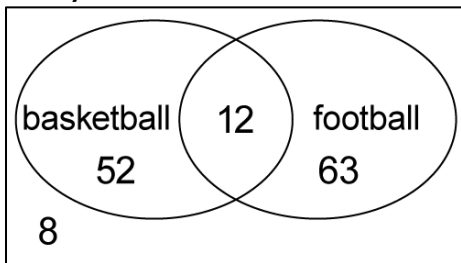
1. The table below shows the number of students who eat breakfast in two different age groups:

	Passed the test	Didn't pass the test	Total
Went to office hours	28	4	32
Did not go to office hours	20	18	38
Total	48	22	70

Answer the following based on the table above:

- a) What is the probability of a person going to office hours?
- b) What is the probability of a person NOT passing a test?
- c) **GIVEN** that a person goes to office hours, what is the probability that they pass the test?
- d) **GIVEN** that a person passes a test, what is the probability that they go to office hours?

5. In the Venn Diagram below, the sports that people like to watch are shown. A total of 135 students were surveyed.



- a) What is the probability that a person chosen at random likes to watch both basketball and football?
- b) What is the probability that a person chosen at random likes to watch ONLY football?
- c) What is the probability that a person likes to watch football (this is different from b))
- d) Given that a person likes to watch basketball, what is the probability that they do NOT like to watch football?