

An athletic director wants to add either tennis or gymnastics to the physical education program at her school. She surveyed the seventh-grade students and eighth-grade students to determine whether they preferred tennis or gymnastics. Some of the data from the survey is listed below.

- A total of 255 students were surveyed.
- 120 of the students surveyed are seventh-graders.
- 72 of the seventh-graders surveyed chose tennis.
- 62 of the eighth-graders surveyed chose gymnastics.

In your Student Answer Booklet, copy the table exactly as shown below.

Student Preference by Grade

	Tennis	Gymnastics
Seventh Grade		
Eighth Grade		

- Use the data from the survey to complete your table. Show or explain how you got your answers.
- Based on your table, what percentage of the eighth-graders chose tennis? Show or explain how you got your answer.
- Among those students who chose gymnastics, what is the relative frequency of seventh-graders? Show or explain how you got your answer.
- In which grade did a higher percentage of students choose tennis? Show or explain how you got your answer.