Grade Eleven

Grade Eleven Sample Test Item—Problem Solving & Modeling/Data Analysis
Achievement Level: Standard Nearly Met

The data below show the number of students that play various sports at Liberty High School.

	Male	Female
Soccer	56	58
Tennis	14	15
Volleyball	21	24
Basketball	28	25

What is the probability that a randomly selected student is a male that plays soccer?

Ⓐ 0.23
Ⓑ 0.47
Ⓒ 0.49
Ⓓ 0.56

Area	Problem Solving & Modeling/Data Analysis
	Using appropriate tools and strategies to solve real world and mathematical problems
Standard(s)	Describe events as subsets of a sample space (the set of outcomes) using characteristics (or categories) of the outcomes, or as unions, intersections, or complements of other events ("or," "and," "not").
Answer	A