Info Gap: College and Career Planning

Problem Card 1

A survey is given to a group of 9th, 10th, and 11th grade students during a college and career fair. The survey results for all of the students who responded that they are not interested in a STEM career are displayed in the table. A student who took the survey is selected at random. What is the probability that the student is in 10th grade and is interested in a STEM career?

	interested in a STEM career	not interested in a STEM career
9th grade		45
10th grade		22
11th grade		33

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Data Card 1

- 250 students took the survey.
- 150 students responded that they are interested in a STEM career.
- 93 11th grade students took the survey.
- 57 of the 9th grade students surveyed responded that they are interested in a STEM career.

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Problem Card 2

A total of 200 students from the 11th and 12th grade took a survey to determine whether they plan to attend college or start a career in the fall after graduation. Complete the table to determine the percentage of students who took the survey that are in 12th grade and plan to attend college in the fall after graduation.

	college	career
11th grade		
12th grade		

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Data Card 2

- 60 of the 11th grade students responded that they plan to attend college in the fall after graduation.
- When a student who took the survey is selected at random, the probability that the student is in 12th grade and is planning to start a career in the fall after graduation is 0.25.
- 105 12th grade students were surveyed.

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