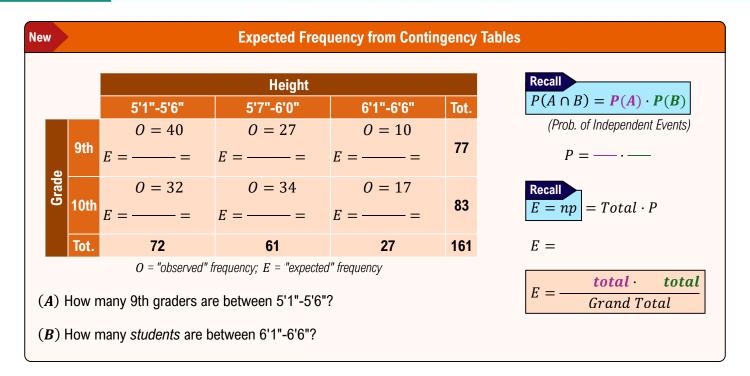
TOPIC: CONTINGENCY TABLES

Contingency Tables and Expected Frequencies

- ◆ A **Contingency Table** shows frequencies of categories from ____ variables.
 - ► If variables are assumed to be ______, find *E* by multiplying prob's of indepdent events.

EXAMPLE

The table shows heights of 161 students in 9th & 10th grade at a high school. Use the table to answer the questions, then find the expected frequency of each cell. Assume height & grade are independent.



PRACTICE

The table below shows the results from a drug trial for a new ADHD medication. Find the frequencies that we would expect if improvement of symptoms was independent of whether a participant received the placebo.

		Group		
		Placebo	Non-Placebo	Total
Symptoms	Improved	18	37	55
	Not Improved	30	15	45
	Total	48	52	100

