

LESSON
7-4

Practice
Two-Way Tables

1. The table shows the results of a customer satisfaction survey of 100 randomly selected shoppers at the mall who were asked if they would shop at an earlier time if the mall opened earlier. Make a table of joint and marginal relative frequencies.

	Ages 10–20	Ages 21–45	Ages 46–65	65 and Older
Yes	13	2	8	24
No	25	10	15	3

	Ages 10–20	Ages 21–45	Ages 46–65	65 and Older	Total
Yes					
No					
Total					

2. Jerrod collected data on 100 randomly selected students, and summarized the results in a table.

Owens an MP3 Player

	Yes	No
Owens a Smart phone	28	12
	34	26

- a. Make a table of the joint relative frequencies and marginal relative frequencies. Round to the nearest hundredth where appropriate.

Owens an MP3 player

	Yes	No	Total
Owens a Smart Phone			

- b. If you are given that a student owns an MP3 player, what is the probability that the student also owns a smart phone? Round your answer to the nearest hundredth.
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- c. If you are given that a student owns a smart phone, what is the probability that the student also owns an MP3 player? Round your answer to the nearest hundredth.