Name							
	Sam	ole of I	Peanu	uts fro	m pro	blem	3-79

3-82

Rowena is not very fond of peanuts. So she is pleased that the number of peanuts is quite small compared to the number of raisins in her sample from problem 3-79 (see above). She would like to keep the same ratio of peanuts to raisins when she mixes up a large batch of trail mix. Rowena and Polly decided to use **ratio tables** to describe all the relationships in the trail mix. The tables will help them make sense of the ratios so they know how much of each ingredient to purchase.

a. Analyze the tables below. Why did Rowena and Polly record different numbers? Did one of them make a mistake? Why or why not? What labels should go in the "?" boxes? Underneath each table explain what the table is showing—feel free to write on and label to explain your thinking.

Rowena's Table										
?	1	2	3	4	5	6	7	8		
?	4	8	12	16	20	24	28	32		

Polly's Table										
?	1	2	3	4	5	6	7	8		
?	5	10	15	20	25	30	35	40		

Period

Explain:

Explain:

b. With your team, recall the definition of "percent." Whose table would help you find most easily the percent of the trail mix that is peanuts? Why? Show how you would find the percent of peanuts.

Challenge: Given one piece of information below, describe what would be needed to keep the ratio the same as in the tables and picture above:

- 80 peanuts
- 80 raisins
- 500 total pieces