Extra Practice: Frequency Tables

Name: _____

1. The students in a seaside school are to have extra swimming lessons if they cannot swim. The table below gives information about the students in grades 7, 8 and 9.

	Can swim	Cannot swim	Total
Grade 7	120	60	
Grade 8	168	11	
Grade 9	172	3	
Total			

a. Complete the frequency table to the left.

b. How many students need swimming lessons? _____

c. How many students are there in the 8th grade? _____

d. How many of the 7th graders cannot swim? _____

e. How many students in grades 7 and 8 can swim? _____

f. How many students are there altogether in grades 7, 8, and 9?

_____

g. Create a two-way relative frequency table for the above data using the entire population. (Round to nearest whole percent.)

h. What percent of 8th graders cannot swim? _____

i. What percentage of students cannot swim? _____

j. What percentage of 9th graders can swim? _____

k. What percentage of students are 9th graders? _____

	Can swim	Cannot swim	Total
Grade 7			
Grade 8			
Grade 9			
Total			

2. A principal of a school with 484 students collected information about how many of the students wear glasses.

	Always wears glasses	Sometimes wears glasses	Never wears glasses	Total
Boys	40		161	
Girls	36	55	144	
Total				

a. Complete the table

b. How many boys sometimes wear glasses? _____

c. How many students wear glasses some of the time? _____

d. How many students never wear glasses? _____

e. Are there more boys or girls in the school? _____

f. What percentage of girls always wear glasses? _____

g. What percentage of students who always wear glasses are girls? _____

h. What percentage of boys never wear glasses? _____

i. What percentage of students who never wear glasses are boys? _____

j. What percentage of students are boys? _____

k. What percentage of students wear glasses? _____