

Accelerated Algebra/Geometry A  
Two – Way Frequency Tables Practice Worksheet

Name \_\_\_\_\_ Class Period \_\_\_\_\_

Jessica surveys students at her school about their favorite food. She recorded the responses in the table below.

Food Gender	Pizza	Chicken	Steak	French Fries	Totals
Males	14	10	6	7	
Females	12	13	4	8	
Totals					

1. What is the joint frequency of female students who prefer Pizza?
2. What is the joint frequency of male students who prefer Steak?
3. What is the marginal frequency for each type of food?
4. What is the marginal frequency for each gender?
5. Given that the student is female, what is the frequency that she likes french fries?

Billy surveys 9<sup>th</sup> graders and 10<sup>th</sup> graders which Ice Cream Flavor they preferred. The results are in the table below.

Flavor Grade	Vanilla	Chocolate	Strawberry	Mint Chocolate	Total
9 <sup>th</sup> graders	7	12	5	15	
10 <sup>th</sup> graders	5	11	8	13	
Totals					

1. What is the joint frequency of 9<sup>th</sup> graders who prefer Chocolate?
2. What is the joint frequency of 10<sup>th</sup> graders who prefer Mint Chocolate?
3. What is the marginal frequency of each Ice Cream Flavor?
4. What is the marginal frequency of each grade?
5. Given the student is a 9<sup>th</sup> grader, what is the frequency he/she likes Strawberry?