

Name: _____ Date: _____

2 Way Frequency Table Practice

Table #1:

Elizabeth surveys 9th graders, 10th graders, and 11th graders in her school. She asks each student how many hours they spend doing homework each night. She records the responses in the table below.

Fill in the totals for each row and column, and find the total number of responses for the table.

Grade	Hours Spent on Homework		
	0-2	2-4	Totals
9	38	12	
10	21	25	
11	14	18	
Totals			

1. How many 9th graders study 0-2 hours per night?
2. How many 11th graders study 2-4 hours per night?
3. What is the probability that a randomly chosen student is a 10th grader who spends 2-4 hours a night on homework?
4. What is the probability that a randomly chosen 9th grader spends 0-2 hours a night on homework?
5. What is the probability that any will spend 2-4 hours a night on homework?

Table #2:

Cameron surveys students in his school who play sports, and asks them which sport they prefer. He records the responses in the table below.

Gender	Preferred Sport			
	Baseball	Soccer	Basketball	Totals
Male	49	52	16	
Female	23	64	33	
Totals				

6. How many males prefer baseball?
7. How many females prefer basketball?
8. What is the probability that a randomly chosen student is female and prefers soccer?
9. What is the probability that a randomly chosen student is male and prefers soccer?
10. What is the probability that any randomly chosen student prefers soccer?

Table #3:

Abigail surveys students in different grades, and asks each student which pet they prefer. The responses are in the table below.

Grade	Preferred Pet				
	Bird	Cat	Dog	Fish	Totals
9	3	49	53	22	
10	7	36	64	10	
Totals					

11. How many 9 graders prefer cats as a pet?
12. How many 10 graders prefer fish as a pet?
13. What is the probability that a randomly chosen student prefers cats and is a 10th grader?
14. What is the probability that a randomly chosen student prefers cats and is a 9th grader?
15. What is the probability that a randomly chosen student prefers birds and is a 10th grader?
16. What is the probability that any randomly chosen student prefers dogs?
17. What is the probability that any randomly chosen student prefers birds?
18. What is the probability that any randomly chosen student is a 9th grader?