

Math 1 - Assignment #7.4

Complete each table:

#1 - Buy Lunch at School?

	Yes	No	Total
9 th Grade	92	86	
10 th Grade	116	52	
Total			

#2 - Participate in Spirit Week?

	Yes	No	Total
11 th Grade		47	260
12 th Grade	243		271
Total		75	531

#3 – Getting to School?

	Walk Only	Bike Only
9 th Grade	83	92
12 th Grade	103	57

Use the table to answer the questions:

- How many students are in 9th grade and Walk to school?
- How many students are in 12th grade and Bike to school?
- How many 9th grade students Walk or Bike to school?
- How many 12th grade students Walk but do not Bike to school?

#4 – Snack Preferences

	Coke	Pepsi
Tortilla Chips	161	42
Fritos	64	57

Use the table to answer the questions:

- How many students prefer Coke and Tortilla Chips?
- How many students prefer Pepsi and Fritos?
- How many students prefer Coke and Tortilla Chips or Fritos?
- How many students prefer Coke or Pepsi and Tortilla Chips?

#5 – Baseball Game Attendance Preferences

		Seat Location		
		Upper	Lower	Total
Game Time	Day	28	34	62
	Night	22	52	74
	Total	50	86	136

Use the table to answer the questions

- What percent of people preferred a Day game?
- What percent of people preferred an Upper Seat?
- What percent of people prefer an Upper seat in the Day?
- Of those who prefer a Day game, what percent prefer an Upper seat?
- Of those who prefer a Lower seat, what percent prefer a Night game?

#6 – Eating and Exercise Preferences

		Preferred Exercise Time		
		Morning	Afternoon	Total
Favorite Meal	Breakfast	23	17	40
	Lunch	13	24	37
	Dinner	42	12	54
	Total	78	53	131

Use the table to answer the questions

- What percent of people prefer to exercise in the Morning?
- What percent of people said their favorite meal is Breakfast?
- What percent of people who prefer in to exercise in the Morning said Breakfast is their favorite meal?
- Of those whose favorite meal is Dinner, what percent prefer to exercise in the Afternoon?
- Of those who prefer to exercise in the morning, what percent said Lunch or Dinner is their favorite meal?

#7 When should you use the mean as a measure of center and the standard deviation as a measure of spread?

#8 When should you use the median as a measure of center and the Range / IQR as a measure of spread?

#9 What should you use to guide you when asked to “describe a distribution”?

#10 How do you get to the applet for calculating statistics / drawing graphs in this chapter?