

Math 1 - Assignment #7.4

Complete each table:

#1 - Buy Lunch at School?

	Yes	No	Total
9 th Grade	92	86	178
10 th Grade	116	52	168
Total	208	138	346

#2 - Participate in Spirit Week?

	Yes	No	Total
11 th Grade	213	47	260
12 th Grade	243	28	271
Total	456	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:

- a) 83
- b) 57
- c) 175
- d) 103

#4 - Snack Preferences

	Coke	Pepsi
Tortilla Chips	161	42
Fritos	64	57

Use the table to answer the questions:

- a) 161
- b) 57
- c) 225
- d) 203

#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

- a) Approximately 45.59%
- b) Approximately 36.76%
- c) Approximately 20.59%
- d) Approximately 45.16%
- e) Approximately 60.47%

#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

- a) Approximately 59.54%
- b) Approximately 30.53%
- c) Approximately 29.49%
- d) Approximately 22.22%
- e) Approximately 70.51%

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

When the distribution is approximately symmetric and there are no outlier(s).

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

When the distribution is skewed and/or there are outlier(s).

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

Discuss SHAPE, CENTER, SPREAD and OUTLIERS.

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

Go to the SRHS Math website, go to the Math 1 page, and click on the ‘One Quantitative Variable Statistics Applet’ link.