I. What type of sample statistic are you being asked about?

Count or Sum or Total

Proportion or Percentage (which is a proportion*100)

Mean or Average

Expected	Number of draws * box average (page	Box percentage (page 359)	Box Average (page 410)
Value	289)		
Standard	$\sqrt{draws} * SD_{box}$ (page 291)	$\sqrt{draws} * \sqrt{fraction of 1's * fraction of 0's} * 100$	$\frac{\sqrt{draws} * SD_{box}}{dt}$ (page 410)
Error		*100	draws (page 410)
		see page 360	
Notes	The box could be a one-zero box, but	For one-zero boxes only. Assumes sampling	Generally the average and SD
	generally it's a box that contains different	w/ replacement.	are given and do not need to be
	kinds of numbers (see Chapter 17).		calculated. Assumes sampling
	Assumes sampling w/ replacement.		w/ replacement.

II. How are you being asked to apply this statistic?

	Count or Sum or	Proportion or	Mean or Average
	Total	Percentage (which is a proportion*100)	
Using the	Find a Z score then the area	Find a Z score then the area from Table A	Find a Z score then the area from Table
normal	from Table A-105 using:	105 using:	A105 using:
curve	$Z = \frac{observed - \exp ected}{}$	$Z = \frac{observed percentage - expected percentage}{}$	(page 410-411)
(review	$Z = {SE_{sum}}$	$Z = {SE_{percentage}}$	$Z = \frac{observed mean - \exp ected mean}{}$
Chapter 5)	(page 294-296)	(page 362-366)	SE_{mean}
Calculating	Not done in this textbook	Page 381:	Page 416-417
confidence		sample	sample
intervals		± multiplier *SE percentage	± multiplier *SE average
Hypothesis	See Chapter 26.5	See Chapter 26.5	$Ztest = \frac{observed mean - hypothetical mean}{occupants}$
Testing -			SE_{mean}
use Z test			use this to find the area from Table
			A105, area values as extreme or more
			extreme than the Z result are called "p-
			values" (page 482) p variables smaller
			than 5% are considered statistically
			significant and lead us to reject the null
			hypothesis (page 484)