

School/Class/Unit: \_\_\_\_\_ Date: \_\_\_\_\_ Name: \_\_\_\_\_

Instructions: Select the best answer to each of the multiple choice questions. At least one answer is correct. Circle your answers below or record them on a Scantron form.

Table 1

College students	SEX		
Major	Male	Female	ALL
Business	60%	20%	40%
Economics	10%	50%	30%
MIS	30%	30%	30%
ALL	100%	100%	100%

1. In Table 1, which of the following accurately describes the circled 60% in the upper left hand corner?
- 60% of these male college students are business majors
  - 60% of these college business majors are males
  - 60% of these college students are male business majors
  - 60% of these male business majors are college students
  - More than one of the above

Table 2

College students	SEX		
Major	Male	Female	ALL
Business	75%	25%	100%
Economics	17%	83%	100%
MIS	50%	50%	100%
ALL	50%	50%	100%

2. In Table 2, which of the following accurately describes the circled 75% in the upper left hand corner?
- 75% of these male college students are business majors
  - 75% of these college business majors are males
  - 75% of these college students are male business majors
  - 75% of these male business majors are college students
  - More than one of the above

Table 3

College students	SEX		
Major	Male	Female	ALL
Business	30%	10%	40%
Economics	5%	25%	30%
MIS	15%	15%	30%
ALL	50%	50%	100%

3. In Table 3, which of the following accurately describes the circled 30% in the upper left hand corner?
- 30% of these male college students are business majors
  - 30% of these college business majors are males
  - 30% of these college students are male business majors
  - 30% of these male business majors are college students
  - More than one of the above

Table 4

	First		Live On
CLASS	Year	FEMALE	Campus
Freshman	100%	68%	70%
Sophomore	25%	64%	50%
Junior	10%	60%	30%
Senior	5%	55%	20%
ALL	35%	62%	45%

4. In Table 4, which of the following accurately describes the circled 50% in the right column?
- 50% of students living on campus are sophomores
  - 50% of females living on campus are sophomores
  - 50% of first-year females living on campus are sophomores
  - 50% of sophomores are living on campus
  - More than one of the above

Table 5

Percentage of Females			
	Non-Smoker	Smoker	ALL
Non-Runner	49%	25%	40%
Runner	30%	33%	32%
ALL	42%	29%	36%

5. In Table 5, which of the following accurately describes the circled 25% in the top row?
- 25% of non-running smokers are females
  - 25% of females are smokers who are non-runners
  - 25% of female smokers are non-runners
  - 25% of female non-runners are smokers
  - More than one of the above
6. How many of these 5 questions do you think you got right? (leave blank or uncircled for zero)
- One
  - Two
  - Three
  - Four
  - Five
- 
7. How comfortable are you with *formal statistics* (e.g., chance, confidence intervals & hypothesis test)?
- Very uncomfortable
  - Somewhat uncomfortable
  - Somewhat comfortable
  - Very comfortable
8. How comfortable are you with *informal statistics* (e.g., reading tables & graphs of rates & percents)?
- Very uncomfortable
  - Somewhat uncomfortable
  - Somewhat comfortable
  - Very comfortable
9. How quantitative is your work, area of study/teaching or daily life? [If retired, use prior occupation.]
- Generally non-quantitative (e.g., child care, music, art, English, philosophy)
  - Minimally quantitative (e.g., business management, education, journalism, health care)
  - Moderately quantitative (e.g., psychology, sociology, MIS, market research, forecasting)
  - Highly quantitative (e.g., finance, econometrics, accounting, science, engineering)
  - Extremely quantitative (e.g., mathematics, statistics)
10. What best describes your occupation? [If retired, you may use your prior occupation.]
- Full-time student (not working)
  - Teacher, elementary/secondary
  - Teacher, college
  - Other professions (working full time)
  - Other (e.g., working part time, homemaker)
11. What best describes your highest level of schooling completed?
- Primary school
  - Secondary school/high school
  - Two-year college (associate's degree)
  - Four year college (bachelor's degree)
  - Graduate degree (master's or Ph.D)
12. What best describes your fluency in English?
- English was a native language in primary school
  - Became fluent in speaking and reading English after primary school
  - Not yet fluent in speaking and reading English
13. How many undergraduate statistics courses have you completed?
- None
  - One
  - Two
  - Three
  - Four or more
14. What is your age?
- under 18
  - 18 - 24
  - 25 - 44
  - 45 or older

This survey is available for classroom use without charge or prior authorization. Teachers who use this survey are encouraged to submit the results of each survey for tabulation and analysis. Submit to Admin@StatLit.org.