CHECKING YOUR PROGRESS: A SELF-TEST

1. Match the following:
   _____ the measure used with nominal data
   _____ the most frequently occurring score in a distribution
   _____ the arithmetic average
   _____ the least stable measure of central tendency
   _____ the preferred measure of central tendency in a badly skewed distribution
   _____ the score at the 50th percentile
   _____ the measure of central tendency most affected by extreme scores
   _____ the sum of the deviations about it is zero
   a. mode **b.** median **c.** mean

2. Give all three measures of central tendency for the following distribution of golf scores after the final round of a tournament. Each score tells how a golfer finished relative to par; for example, a score of –4 means the golfer was 4 strokes under par.

X	f		X	f
–14	1		0	4
–12	1		+1	3
–11	2		+2	1
–10	3		+3	4
–8	3		+4	3
–7	2		+5	1
–6	2		+6	3
–5	1		+7	2
–4	3		+8	1
–1	5		+17	1

3. Find the mean, median, and mode for the following distribution of IQ scores.

X	f
147	2
142	3
137	4
132	6
127	5
122	8
117	4
112	3
107	2
102	2