Lessons 11.1–11.2

MULTIPLE CHOICE

1. **TV PRICES** The data set below gives the prices of eight 13-inch color TVs sold by an online electronics store. What is the mean of the TV prices? *TEKS 2A.1.B*

   $84, $75, $70, $100, $80, $120, $80, $75

   (A) $76.13   (B) $80

   (C) $85.50   (D) $87

2. **SALE PRICES** The online electronics store from Exercise 1 is having a three-day sale in which all 13-inch color TVs are 25% off. What is the approximate standard deviation of the sale prices of the eight 13-inch TVs in Exercise 1? *TEKS a.1*

   (F) $5.52

   (G) $7.27

   (H) $11.63

   (J) $12.43

3. **TEMPERATURES** The table below shows the average temperature (in degrees Fahrenheit) for each month of the year in Buffalo, New York. What is the range of these temperatures? *TEKS 2A.1.B*

Average Monthly Temperatures in Buffalo, NY
23.7, 24.6, 33.8, 45.1, 56.5, 65.8, 71.1, 68.9, 61.9, 51.1, 40.5, 29.1

   (A) 24   (B) 45.2

   (C) 46.4   (D) 46.6

4. **SALARIES** The data set below gives the salaries (in thousands of dollars) of eight employees of an advertising agency after they receive an annual bonus of $2500. What is the approximate mean of the salaries *without* the annual bonus? *TEKS 2A.1.B*

   49, 52, 46.5, 43, 59.5, 54, 49.5, 61.5

   (F) 48.3   (G) 49.4

   (H) 51.9   (J) 54.4

5. **TRACK AND FIELD** The table shows the trial times (in seconds) of four track-and-field teammates in four trials of the 100 meter sprint event. Which runner's times have the lowest standard deviation? *TEKS 2A.1.B*

	Trial 1	Trial 2	Trial 3	Trial 4
Runner 1	11.3	13.4	11.1	12.5
Runner 2	11.8	12.3	12.5	11.9
Runner 3	13.2	11.8	11.5	12.9
Runner 4	12.2	11.1	13.4	12.6

   (A) Runner 1

   (B) Runner 2

   (C) Runner 3

   (D) Runner 4

6. **MOUNTAIN BIKES** The data set below gives the prices of 14 mountain bikes. What is the approximate mean of the prices? *TEKS 2A.1.B*

   $155, $250, $290, $200, $150, $200, $270, $670, $250, $230, $200, $150, $270, $850

   (F) $240

   (G) $253

   (H) $295

   (J) $303

GRIDDED ANSWER ⊘ ① ● ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

7. **GOLF SCORES** The data set below gives the score of each member of a high school golf team in the first round of the season.

   76, 84, 81, 92, 87

   In the last round of the season, all the golfers decreased their scores by 2 strokes. What is the average score in the last round? *TEKS 2A.1.B*