



MIXED REVIEW FOR TEKS



TAKS PRACTICE

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Lessons 13.5–13.8

MULTIPLE CHOICE

- OFFICE HOURS** A doctor would like to extend her office hours to better accommodate her patients. She wants to choose the day that best suits her patients. Which of the following survey techniques is most likely to generate a representative sample of her patients? **TEKS 8.13.A**
 - Asking all the patients who come into the office one day
 - Asking all the patients who come into the office in one week
 - Alphabetizing all her patients and phoning every tenth one
 - Leaving surveys in her office for patients to fill out if they choose
- SURVEY** A reporter from your school newspaper is considering several questions to ask in a poll. Which of the following is *not* a biased question? **TEKS 8.13.A**
 - “Don’t you think our school is going to win the game this weekend?”
 - “By how many points do you think our team will win the game this weekend?”
 - “Do you think our team will be upset in the game this weekend?”
 - “Which team do you think will win the game this weekend?”
- DVD PLAYERS** The prices (in dollars) of portable DVD players at two stores are as follows: 280, 200, 260, 230, 200, 150, 300, 260, 500, 190. Which of the following statements is true of the data? **TEKS 8.12.B**
 - The median is greater than the mean.
 - The data set has no outliers.
 - The interquartile range is \$80.
 - A majority of the data are in the interval \$200–\$250.

- LONG JUMP** The back-to-back stem-and-leaf plot shows the lengths (in meters) of the eight best men’s and women’s final long jump results in the 2004 Olympics. Based on the data, which of the following statements is true? **TEKS 8.12.B**

Lengths (in meters) of Long Jump

	Men	Women
	6	7 8 8 9
	7	0 0 0 1
6 5 3 3 2 2 2 0	8	

Key: 0|7|1 = 7.0 m, 7.1 m

- No woman jumped farther than any man.
 - The women’s jumps had a greater range than the men’s jumps.
 - The median jump for the men was less than 1 meter longer than the median jump for the women.
 - Not here
- JEANS** A clothing store sells several different styles of jeans for the following prices: \$20, \$20, \$25, \$30, \$40. Find the mean absolute deviation of the store’s jean prices to the nearest ten cents. **TEKS 8.12.A**
 - \$5.50
 - \$6.40
 - \$6.50
 - \$32.00



GRIDDED ANSWER

- COMMUTE** The average lengths (in hours) of several morning commutes are as follows: 0.25, 0.20, 0.50, 0.50, 0.50, 0.05, 0.65, 1.00, 1.50, 0.75, 1.10, 0.60, 0.80, 1.00, 0.10. How many minutes is the mean commute? **TEKS 8.12.A**
- THEATER** The ages (in years) of people who attended an opening reception for a theater production are as follows: 54, 25, 64, 40, 42, 33, 50, 27, 35, 50, 39, 41, 52, 49, 48, 56. Find the interquartile range of the data. **TEKS 8.12.A**