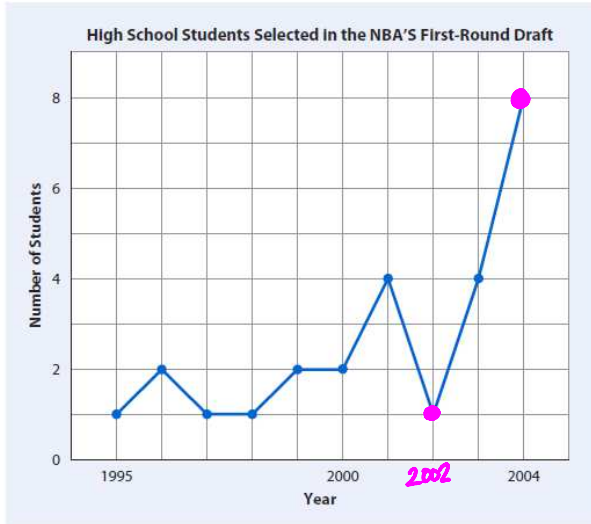


6.1 Page 182 #6-12

For Exercises 6–9, use the following information.

The line graph shows the number of high school students that were selected in the National Basketball Association (NBA) draft's first round from 1995 to 2004.



- How many students were chosen in the first round of the draft in 2004?
- What does the graph tell you about the trend in drafting high school students?
- By how much did the number of students increase from 2002 to 2004?
- Between 2001 and 2002, the line slants downward. What does this indicate?

8 students

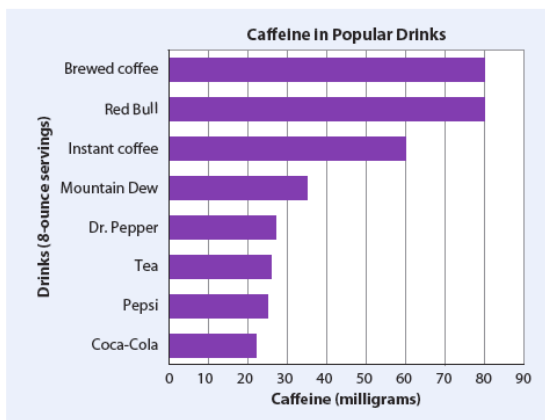
The overall trend was toward drafting more high school students to the NBA.

$8 - 1 = 7$ students

There were fewer students drafted in 2002 than 2001.

For Exercises 10–12, use the following information.

The bar graph shown on the next page describes the amount of caffeine in several popular drinks.



- How much caffeine is in an 8-ounce serving of Pepsi?
- How does the amount of caffeine in one 8-ounce cup of brewed coffee compare to that in one 8-ounce cup of instant coffee?
- The total amount of caffeine in one 8-ounce Pepsi and one 8-ounce Mountain Dew is equivalent to the caffeine in one 8-ounce serving of which drink?

~ 25 mg

$80 - 60 = 20$ mg

Brewed coffee has 20 mg more caffeine compared to instant.

P ~ 25
MD ~ 35

Instant coffee

8-ounce Mountain Dew is equivalent to the caffeine in one
8-ounce serving of which drink?

$$\begin{array}{r} P \approx 25 \\ MD \approx 35 \\ \hline 60mg \end{array}$$

Instant
Coffee

compare it to