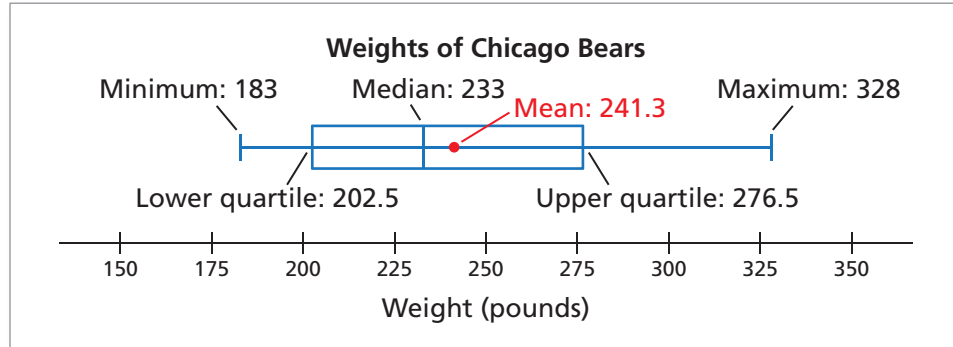




Box-and-Whisker Plots and Histograms

EXAMPLE 3 Reading a Box-and-Whisker Plot

The box-and-whisker plot shows the weights of the 59 players on the 2010 Chicago Bears football team. Use the graph to analyze the players' weights.



SOLUTION

A box-and-whisker plot conveys a wealth of information. Here are some observations you can make about the weights of the players.

- About 15 players weighed between 183 and 202.5 pounds.
- About 15 players weighed between 202.5 and 233 pounds.
- About 15 players weighed between 233 and 276.5 pounds.
- About 15 players weighed between 276.5 and 328 pounds.
- There was a greater range of weights for the heaviest 25% of the players (about 50 pounds) than there was for the lightest 25% of the players (about 20 pounds).

You can make your own box-and-whisker plots at Math.andYou.com.

✓ Checkpoint

Help at Math.andYOU.com

The box-and-whisker plot shows the weights of the 40-man roster of the 2010 Los Angeles Angels of Anaheim baseball team. Use the graph to analyze the players' weights.

