

Histograms

Math 111

In 2018, 52 men completed the High Bridge half marathon. The times of the runners (in minutes) are listed below.

70, 78, 87, 87, 88, 98, 100, 100, 103, 105, 108, 109, 110,
110, 111, 111, 114, 115, 117, 118, 119, 119, 119, 119, 121, 122,
126, 127, 127, 127, 128, 128, 129, 129, 132, 134, 135, 137, 138,
139, 144, 145, 150, 157, 161, 168, 170, 171, 174, 183, 190, 216.

1. Make and clearly label a histogram for this data.
2. What is the median time for these 52 runners?
3. Is this data skewed left or right?
4. Without calculating the average, will it be bigger or smaller than the median?