

Measures of Central Tendency

Name _____

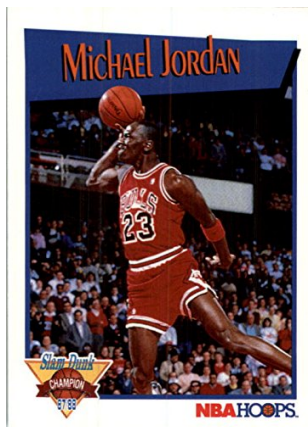
Below is a chart that shows the heights (in inches) of the 1991-1992 Chicago Bulls basketball team. Your job is to find the mean, median, mode, and range for height. First, let's review the definitions of each.

Mean – Average

Median – Middle Number

Mode – Most Common Number

Range – Difference between highest number and lowest number



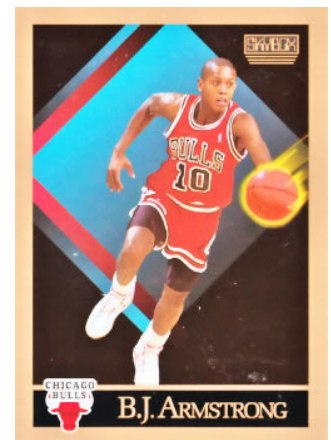
Michael Jordan
78 inches



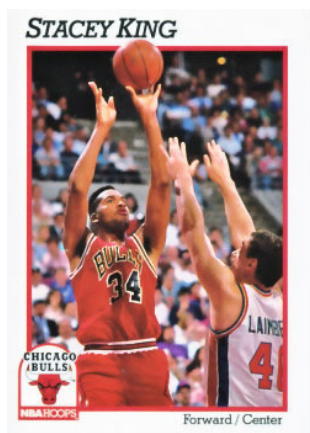
Scottie Pippen
79 inches



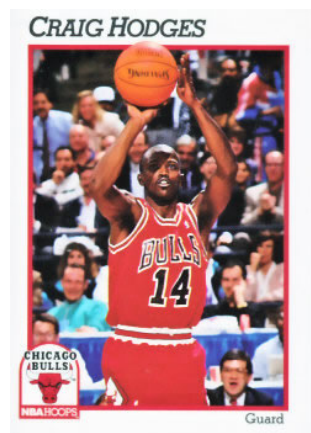
Horace Grant
82 inches



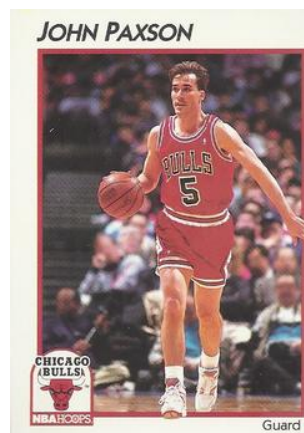
B.J. Armstrong
74 inches



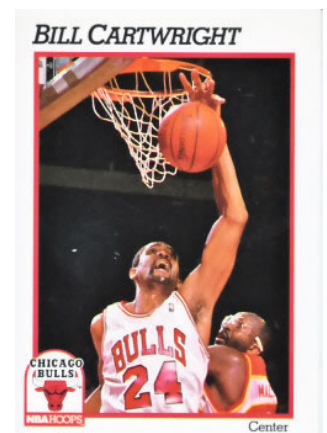
Stacey King
83 inches



Craig Hodges
74 inches



John Paxson
74 inches



Bill Cartwright
85 inches

1. What is the mean height in inches for the Chicago Bulls players? To find the mean, find the total number of inches and divide by the number of players.
2. What is the median height in inches of the Chicago Bulls players? To find median, line each player's height from least to greatest and find the middle number. In this case, you'll have to find the two middle numbers, add them together, and divide by two.
3. What is the mode in inches of the Chicago Bulls players? Simply find the most common height?
4. What is the range of heights in inches for the Chicago Bulls players? To find range, simply subtract the lowest value from the highest value.

Answers:

1. **78.625 inches (rounded up – 79 inches, or 6'7")**

2. 74 | 74 | 74 | 78 | 79 | 82 | 83 | 85

Median = 78.5 inches (rounded up – 79 inches, or 6'7")

3. **Mode = 74 inches**

4. **85 – 74 = 11 inches**