

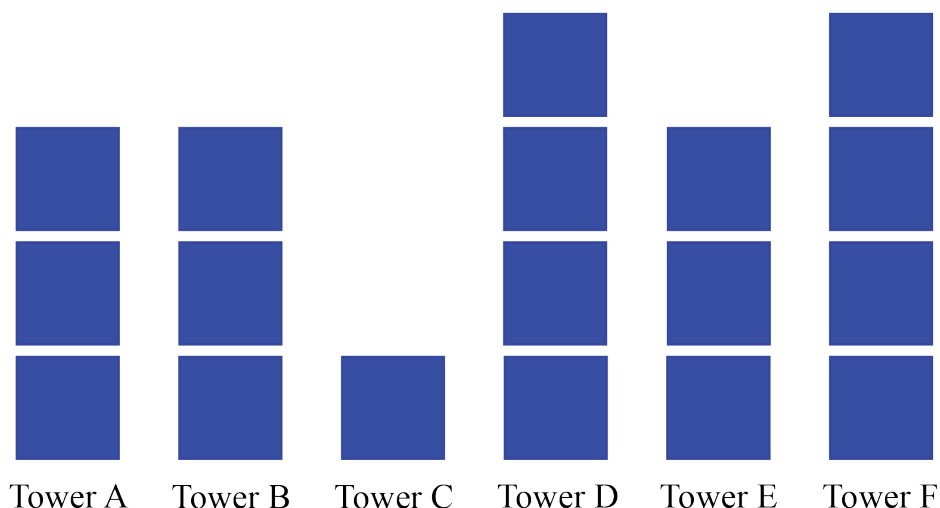


Problem of the Week

Problem B

Means à la Mode

Octavia has a large bin of blocks. Using 18 blue blocks she makes exactly six towers. The height of the tower is the total number of blocks used in that tower.



- (a) Determine the mean, the median, and the mode of the heights of the towers made by Octavia.
- (b) Create a different set of six towers using 18 blocks where the mean height is greater than the mode height.
- (c) Create a different set of six towers using 18 blocks where the mean height is greater than the median height.
- (d) Create a different set of six towers using 18 blocks where the median height is greater than the mean height.