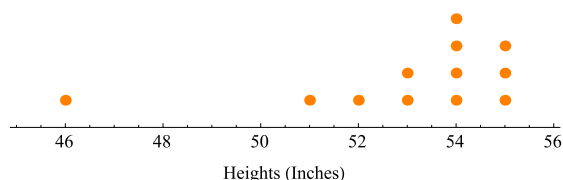


6.SP.5 Worksheet

Solutions

Refer to the following information to answer the problems below. The Munchkin basketball team is the shortest team in all of Oz. The dot plot below shows the heights of the Munchkins on the team.



1. How many players are on the Munchkins basketball team? **12 players**
2. The heights of the players are measure in what unit?
Inches
3. Describe the shape of this distribution. **Skewed (left)**
4. What is the mean of this distribution? **53 inches**
5. What is the median of this distribution? **54 inches**
6. What is the mean absolute deviation of this distribution? **1.67 inches**
7. What is the interquartile range of this distribution?
2 inches
8. Which is the better measure of center for this data set? Why? **The median, because the data is skewed**
9. Which is the better measure of variation for this data set? Why? **The interquartile range, because the data is skewed**
10. Are there any outliers or other unusual features in this data set? **There is one player (46 inches) who's much shorter than the rest of the team.**