Notes:	MEA
	To under the appro- the mean average
	To find to (number useful w outliers most of
	Suppose the best
	The mea
	This num hitters of
	MED
	The mean close tog
	The med
	numbers center w
	the best
	In this example arranged
	Mean an each des

N

rstand a set of data, you often need to be able to describe oximate "center" of that data. One way to do this is to find **n** of the data set, which is also called the **arithmetic**

the mean of a set of data, add the values of the data elements s) and then divide by the number of items of data. The mean is a ay to describe the data when the set of data does not contain Outliers are numbers that are much smaller or much larger than the other data in the set.

the following data set represents the number of home runs hit by seven players on a Major League Baseball team during one season:

16, 26, 21, 9, 13, 15, and 9.

an is $\frac{16+26+21+9+13+15+9}{7} = \frac{109}{7} \approx 15.57$.

nber shows that a typical player among the best seven home-run n the team hits about 15 or 16 home runs each season.

IAN

in is a useful way to find the center when data values are gether or are evenly spaced. Another tool, the **median**, also he approximate "center" of a set of data in a different way.

lian is the middle number in a set of data arranged numerically. If an even number of values, the median is the mean of the two middle . The median is more accurate than the mean as a way to find the hen there are outliers in the data set.

the following data set represents the number of home runs hit by seven players on a Major League Baseball team:

16, 26, 21, 9, 13, 15, and 9.

xample, the median is 15. This is because when the data are in order (9, 9, 13, 15, 16, 21, 26), the middle number is 15.

d median are called **measures of central tendency** because they cribe the "center" of a set of data, but in different ways.