

**SECTION**  
**7A**

**Ready to Go On? Skills Intervention**

**7-2 Additional Data and Outliers**

An **outlier** is a value in a set that is very different from the other values. An outlier can affect the conclusions you make about a set of data.

**Vocabulary**  
outlier

**Astronomy Application**

**A.** Find the mean, median, and mode of the data in the table.

**Number of Known Moons**

Planet	Mars	Jupiter	Saturn	Uranus
<b>Number of Moons</b>	2	17	22	21

mean = \_\_\_\_\_ median = \_\_\_\_\_ mode = \_\_\_\_\_

What value is the outlier? \_\_\_\_\_

**B.** Earth and Pluto each have one moon. Add this data to the data in the table and find the mean, median, and mode.

mean = \_\_\_\_\_ median = \_\_\_\_\_ mode = \_\_\_\_\_

When you add the data about Earth and Pluto, what happens to the mean? \_\_\_\_\_

**Identifying Outliers**

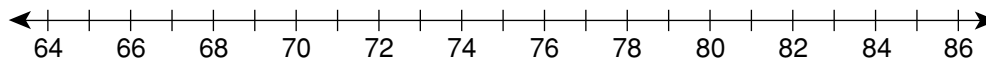
Alice Ann is researching lifespans in her family tree. These are the ages to which her great-grandparents lived:

67 74 72 70 68 71 85 64

Which age represents an outlier?

**Step 1:** Draw a number line.

**Step 2:** For each great-grandparent, mark an x on the number line to represent the age to which he or she lived.



Which data point is much greater or much less than all the others on the line plot? \_\_\_\_\_