

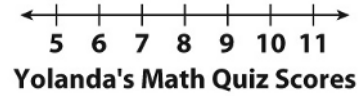
**LESSON**  
**16-4**

# Dot Plots and Data Distribution

## Reteach

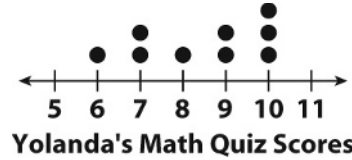
A **dot plot** gives you a visual display of how data are distributed.

**Example:** Here are the scores Yolanda received on math quizzes: 6, 10, 9, 9, 10, 8, 7, 7, and 10. Make a dot plot for Yolanda's quiz scores.



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

**Step 2:** Write the title below the number line.



**Step 3:** For each number in the data set, put a dot above that number on the number line.

Describe the dot plot by identifying the **range**, the **mean**, and the **median**.

**Range:** Greatest value – least value

**Step 4:** Identify the range.  $10 - 6 = 4$

**Mean:**  $\frac{\text{Sum of data values}}{\text{Number of data values}}$

**Step 5:** Find the mean.  $76 \div 9 = 8.4$

**Step 6:** Find the median. 9

**Median:** Middle value

Use the data set at the right to complete Exercises 1–4.

1. Draw a dot plot for the data.

Game Scores			
12	6	15	10
14	15	8	10
12	21	15	8



2. Find the range. \_\_\_\_\_

3. Find the mean. \_\_\_\_\_

4. Find the median. \_\_\_\_\_