"Shape, Center, Spread" Name _____

Math 1 – Unit 2 – use with pages 76-77

Last year, Mr. Keck auditioned for the show **So You Think You Got Talent**. The judges gave him the following scores for his rendition of Pump *It* by Black Eyed Peas (1 is low & 10 is high):

6 8 2 9 7 8 8 5 8 7 7 9

Make a **number line plot** of Mr. Keck's' scores. Use the line below. Be sure to include the proper labels!!

1 2 3 4 5 6 7 8 9 10

SHAPE: Describe the shape of Mr. Keck's' distribution. Talk about whether it's **normal** (symmetric) or **skewed** (right or left), and discuss any **outliers**.

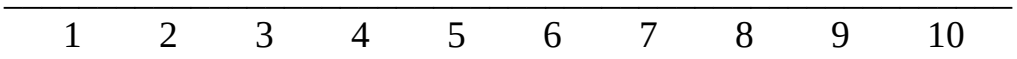
CENTER: What is the **mean** (average) of Mr. Parsons' scores? Show/explain your work.

SPREAD: What is the **range** (maximum – minimum) of Mr. Keck's scores? Show/explain your work.

Ms. Dieterle also auditioned for the show **So You Think You Got Talent**. The judges gave her the following scores for her rendition of Good *People* by Jack Johnson (1 is low & 10 is high):

7 5 4 6 3 5 8 5 2 5 4 6

Make a **number line plot** of Ms. Jorgensen's scores. Use the line below. Be sure to include the proper labels!!



SHAPE: Describe the shape of Ms. Dieterle's distribution. Talk about whether it's **normal** (symmetric) or **skewed** (right or left), and discuss any **outliers**.

CENTER: What is the **mean** (average) of Ms. Dieterle's scores? Show/explain your work.

SPREAD: What is the **range** (maximum – minimum) of Ms. Dieterle's scores? Show/explain your work.

Who do YOU think is the better singer? Explain, using the summary statistics (shape, center, spread) that you just computed for each teacher.