Standard: MA19.6.23 (6th grade)

Calculate, interpret, and compare measures of center (mean, median, mode) and variability (range and interquartile range) in real-world data sets.

Cup Stacking Activity   **Name _____**

1. Everyone gets one chance to practice stacking the cups. Then have your partner time how long it takes you to stack the 6 cups and return them to the unstacked position. Round to the nearest second. Switch roles.
2. On the board list your time.

3. Classroom Stacking Times:

4. Find the classroom mean stacking time _____

Show work here:

5. Find the median stacking time: _____

Median: middle number in a group of numbers that have been sorted least to greatest.

Numbers sorted least to greatest:

6. Find the mode _____

Mode: the value that appears the most often.

7. Find the range _____

Range: Difference between the largest and smallest values.

Show work here:

8. Find the IQR (interquartile range: Q_3-Q_1) _____

IQR (Interquartile range) measures the difference between Q_3 and Q_1

Q_1: middle number between minimum and median

Q_3: middle number between maximum and median

Show work here: