**Can You Guess the Rainbow?**

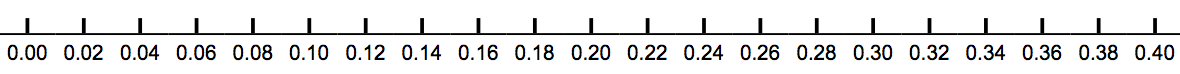


Use your extrasensory perception to guess the flavor for each Skittle. What proportion will you get correct?

Working in pairs, test your partner’s ability to “guess” the flavor for a sample of 50 Skittles.

**Collect data: Number correct: \_\_\_\_\_\_ Total: \_\_\_\_\_\_ Proportion correct: \_\_\_\_\_\_**

1. Write the “Proportion correct” on a sticker dot and add it to the dotplot on the board. Sketch the dotplot below.



Proportion correct

2. What does each dot represent?

3. **Shape:** Describe the shape of the dotplot.

4. **Center:** What value appears to be at the center of the dotplot?

5. **Variability:** Remember that standard deviation describes the typical distance a value is from the mean. Estimate the standard deviation for the dotplot.