

Numbers and Operations in Base 10

Prior to Instruction

Program student AAC devices with target numerals and have a 0-10 number line available for pointing to during instruction. Sample words and definitions include:

- Numbers 0-20
- How Things Look and Feel
- Smooth
- Rough
- Soft
- Hard
- Count
- More

Anchor Instruction for All Students

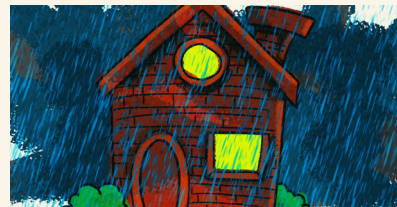
Prior to beginning instruction, anchor instruction by referencing the story, *How Things Look and Feel*. Say, **We read the book, *How Things Look and Feel*.**

We learn about things by making observations.

We make observations when we use our senses.

When we look at things, we use our eyes. When we feel things, we use our hands. Let's use our eyes and hands to help us count different things!

Begin the lesson by reviewing counting with one-to-one correspondence and help your students count different items. Count items by characteristics (i.e., count items that are smooth, rough, soft, and hard). Create a bar graph with your students with one bar representing each category (i.e., smooth, rough, soft, and hard). As your students identify and count items by characteristic, graph the object or item on the bar graph. Help your students to interpret the data and identify which characteristic was counted most and least.



Learning Objective

- Students will match quantities in the five frame.
- Students will order numerals with quantities 1-4.
- Students will make quantities beyond five frame (6-7).
- Students will make quantities of 11-15 on two, 10-frames.

Materials

- Counting and Quantity Cards
- Five Frame Mat
- Ten Frame Mat
- Base Ten Worksheet
- Linking Counting Cubes
- Counting Frame
- Ten Frame Cards
- Magnetic Whiteboard
- Magnetic Numbers
- Worksheet Pockets