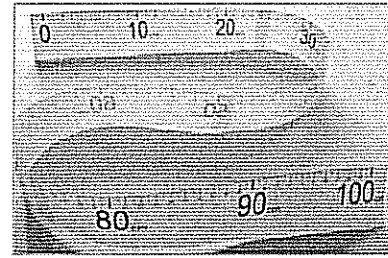
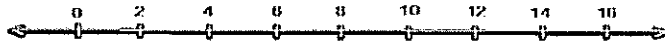


# Number Line

Grade Level K – 5

## Description

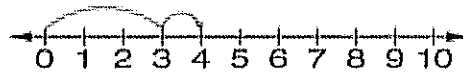


The number line is used to develop a deeper understanding of whole number units, fraction units, measurement units, decimals, and negative numbers. Throughout Grades K-5, the number line models measuring units.

## Instructional Strategies

- Measure lengths in meters and centimeters.
- Counting on: Have students place their finger on the location for the first addend, and count on from there to add the second addend.

$$3 + 1 = 4$$

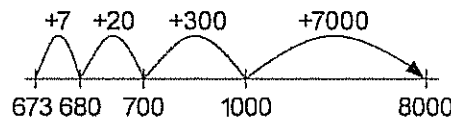


- Have students use a "clock" made from a 24 inch ribbon marked off at every 2 inches to skip-count by fives.

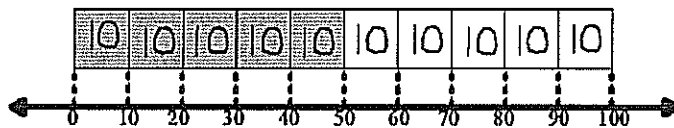


- Compute differences by counting up.

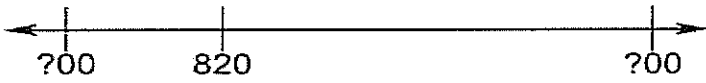
$$8000 - 673 = 7,327$$



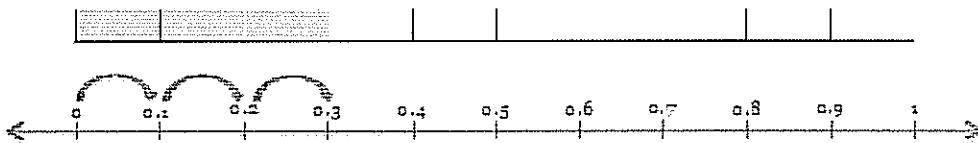
- Multiplying by 10; students visualize how much 5 10's is, and relate it to the number line.



- Rounding to the nearest ten or hundred; e.g., students identify which 'hundreds' come before 820, "820 is between 800 and 900."



- Model tenths in unit, expanded, fraction, and decimal form.



$$3 \text{ tenths} = \frac{3 \times 1}{10} = \frac{3}{10} = 0.3$$

- Create and analyze line plots.

