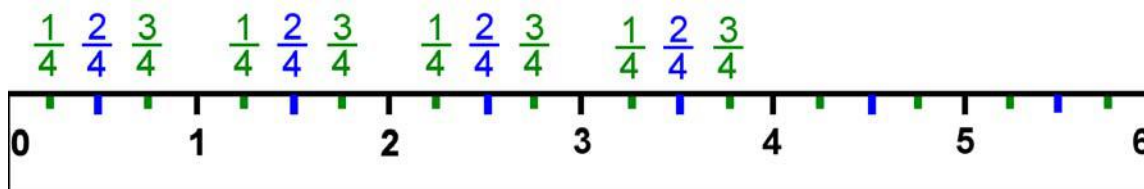
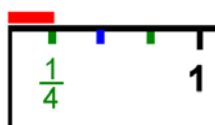


## Measuring to the Nearest Fourth-Inch

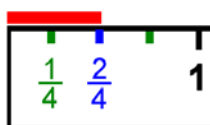
This ruler measures in inches. You can see three lines between each two numbers on the ruler. Those three lines divide each inch *into four parts*. The parts are *fourth parts* or *quarters* of an inch. We have marked those quarters with fractions.



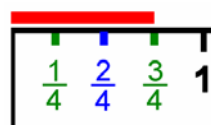
The  $\frac{2}{4}$  mark is also the  $\frac{1}{2}$  mark. We normally use  $\frac{1}{2}$  instead of  $\frac{2}{4}$ .



This line is  $\frac{1}{4}$  inch long.

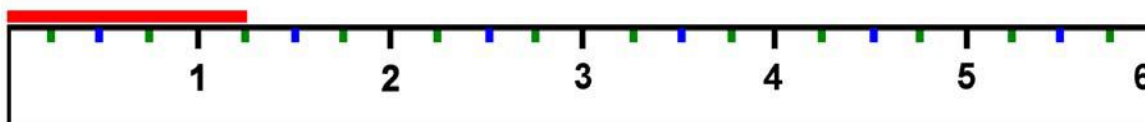


This line is  $\frac{2}{4}$  inch long.  
It is also  $\frac{1}{2}$  inch long.



This line is  $\frac{3}{4}$  inch long.

If a line reaches to the  $\frac{1}{4}$ -inch mark after the number 1, then the line is 1 inch *and*  $\frac{1}{4}$  inch long. But when writing it, we omit the “and” and write: The line is  $1 \frac{1}{4}$  inches long.



If a line reaches the  $\frac{3}{4}$ -inch mark after the number 2, then the line is 2 inches *and*  $\frac{3}{4}$  inch long, but we write it as  $2 \frac{3}{4}$  inches long.



This line is  $3 \frac{1}{2}$  inches long.

