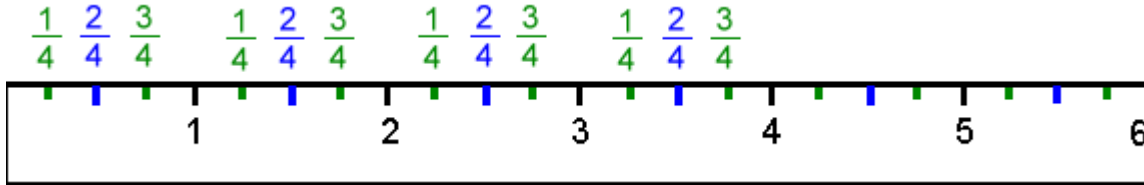


Measuring Length

Remember? This ruler measures in inches. The three lines between each two numbers on the ruler divide each inch *into four parts*, which are *fourth parts* of an inch.



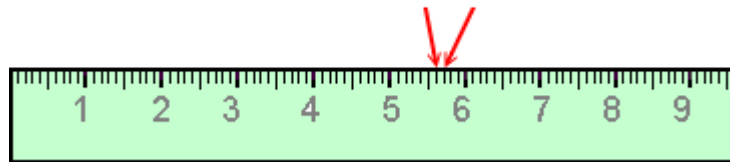
The $\frac{2}{4}$ mark is also the $\frac{1}{2}$ mark. We normally use $\frac{1}{2}$ instead of $\frac{2}{4}$.

This ruler measures in centimeters. The numbers signify whole centimeters. All the little lines between those are for millimeters.


There are 10 millimeters in each centimeter.


$$10 \text{ mm} = 1 \text{ cm}$$

The distance between these two is 1 mm.





1. Measure the lines to the nearest fourth of an inch.
Also measure them using a centimeter-ruler.

 a. _____ in. or _____ cm _____ mm

 b. _____ in. or _____ cm _____ mm

 c. _____ in. or _____ cm _____ mm

 d. _____ in. or _____ cm _____ mm

 e. _____ in. or _____ cm _____ mm