















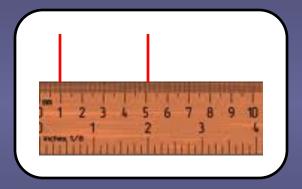






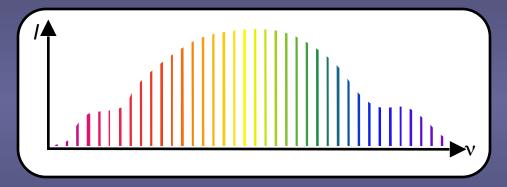
How do we measure frequencies of light?

We make a "light ruler"



Ruler: Number of ticks
Offset
Spacing between ticks

Comb Equation: $v_n = n f_{rep} + f_0$



Optical Frequency Comb: Mode number
Offset frequency
Frequency spacing

- This structure is called an optical frequency comb a set of equidistantly spaced spectral lines
- By interfering different colors in the comb, we can produce radio frequencies that we can control

How do we make a frequency comb?

