Ratios – the comparison of two quantities by division.

Three ways to write a ratio - $\frac{2}{5}$ **2/5** **2:5** or **2 to 5**

(all three ways read "2 to 5.")

Three kinds of ratios – (2 green paperclips, 6 blue paperclips)

Label ratios

* **part to part** - $\frac{\text{green}}{\text{blue}} = \frac{2}{6} = \frac{1}{3}$ meaning – For every green clip, there are 3 blue clips.

* **part to whole** - $\frac{\text{blue}}{\text{total}} = \frac{6}{8} = \frac{3}{4}$ meaning –Out of 4 clips, 3 are blue.

* **whole to part** - $\frac{\text{total}}{\text{green}} = \frac{8}{2} = \frac{4}{1}$ meaning –Out of 4 clips, 1 is green.