

Consider  $\sum_{k=1}^n k = n(n+1)/2$  for now. A text-style operator such as  $\sum$  or  $\int_0^1 f(x) dx$  is centered on the math axis, so it rises above the cap height and dips below the baseline, just like the descenders in “Copy gym”. Fractions like  $\frac{a}{b}$  shrink to script size inline, while a tall delimiter ( $\frac{1}{2}$ ) simply overflows the line and T<sub>E</sub>X pushes the following baseline down to make room. Plain symbols such as  $x^2+y_i$  and  $\sqrt{x+1}$  stay put on the baseline.

Tight box around the line:  $\text{Consider } \sum_{k=1}^n k = n(n+1)/2 \text{ for now.}$

Strut-sized line box drawn:  $\text{Consider } \sum_{k=1}^n k = n(n+1)/2 \text{ for now.}$