This is inline n or n math symbol. on its own line

$$n$$

another way to do its own line
$$n$$

We start with n elemets and we continue to divide them in half leaving $\frac{n}{2}$ elements.

the power can be written using caret symbol, for instance n^n results in n to the power n nicely.

The indices could be written using underscore, for instance n_i makes i an index of n.

$\left(\frac{n}{2}\right)$ vs $\left(\frac{n}{2}\right)$

$\left[\frac{n}{2}\right]$ vs $\left[\frac{n}{2}\right]$

make an array

$$\begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 8 & 9 \end{bmatrix}$$