1 Modulo Operator (Arithmetic Remainder)

If $x \in \mathbb{R}^+$ and $n \in \mathbb{N}$, we can uniquely write x = mn + r, where $m \in \mathbb{W}$ and $r \in [0, n)$.

We define

 $x \bmod n = r$

e.g. $10.5 \mod 3 = 1.5$