Remark 5.5. [20R](Solved on 2022-11-15) Typically^a you use the notations on the left instead of the writings on the right (where x, y, z are in the field and n is positive integer)

x-y $\frac{x}{y}$	$x + (-y)$ $x \cdot y^{-1}$
x + y + z	(x+y)+x
xyz	$(x \cdot y) \cdot z$
nx	$\underbrace{x + \ldots + x}_{x + \ldots + x}$
x^n	<i>n</i> times $\underbrace{x \cdot \ldots \cdot x}_{n \in \mathbb{N}}$
x^{-n}	$n \text{ times} (x^{-1})^n$

Precisely, nx means "add x to itself n times"; the operation $n \mapsto n \cdot x$ can be defined recursively setting $0 \cdot x = 0$ and $(n + 1) \cdot x = n \cdot x + x$. Similarly x^n means "multiply x by itself n times": see the exercise [202].

^{*a*}Taken from 1.13 in [26]