

$\mathbb{N}$ or $\mathbb{N}$ = "natural numbers"
 $0, 1, 2, 3, 4, \dots$

The natural numbers are closed under addition:

i.e. adding any two natural numbers gives another natural number.

+ also closed under multiplication.

To be able to do subtraction, we must include all negative whole numbers:

$\dots, -3, -2, -1, 0, 1, 2, 3, \dots$

Integers, $\mathbb{Z}$.

$\mathbb{D}$ also has

$\mathbb{F}$: fractional $0, \frac{1}{2}, \frac{7}{45}, 93, \dots$
(closed under $+, *, /$)

$\mathbb{Q}$: rational $-3, -\frac{1}{2}, 0, \frac{1}{2}, 3, \dots$
(closed under $+, *, /, -$).