Division Theorem: $a, b \in \mathbb{Z}, b \neq 0$ exactly one (1) way to write:

$$a = 9b + r$$
 Such that $9 \in \mathbb{Z}$ re \mathbb{Z} and $0 \le r < |b|$

dividend
$$a = 9b + r$$
quotient

remainder

$$52 = 17 \cdot 3 + 1$$

"52 leaves remainder 1 when divided by 3"

* You might have forgetten all this terminology from grade. School—
that's okay. Just be sure to run through enough examples

So that you know each definition <u>really well</u>.

(really well = it should be second nature. You should not need to pause and think about which one is which)