SKILL #02

CODE: OP.1

OPERATIONS WITH INTEGERS

Core Concept

Integers are whole numbers — both positive and negative — including zero. Understanding how they interact in different operations helps us handle math problems!

THE GOLDEN RULES

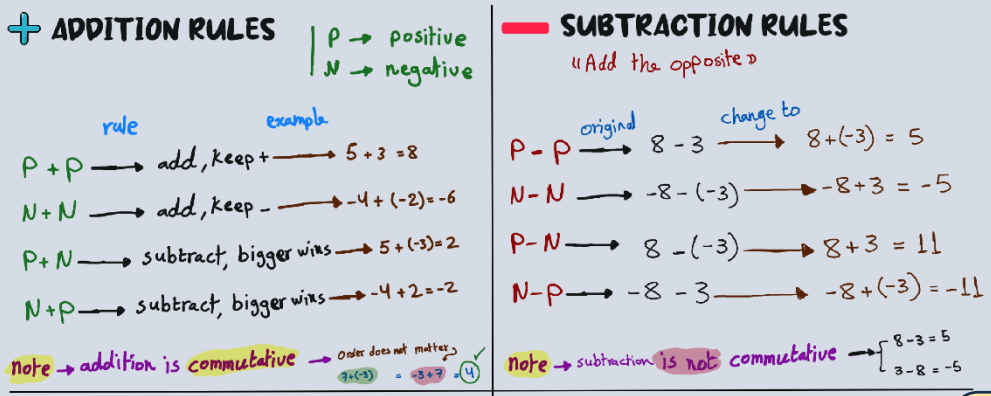
ADDITION & SUBTRACTION

- Same Signs: Add the numbers, keep the sign
- Different Signs: Subtract smaller from larger, use sign of larger number
- Subtraction Trick: Change to "add the opposite"

THE GOLDEN RULES

MULTIPLICATION & DIVISION

- Same Signs: Result is POSITIVE (+)
- Different Signs: Result is NEGATIVE (-)



Resource Links

Video Tutorial -->

Extra worksheet -->

Games -->

Real-Life Connection

- Weather: Temperature changes ↑ ↓
- Banking: Deposits (+) and withdrawals (-)
- Gaming: Points gained (+) and lost (-)
- Business: Profit (+) and loss (-)

Common Mistakes to Avoid

- ❌ Forgetting that subtracting a negative means adding
- ❌ Ignoring the order in subtraction or division.
- ❌ Multiplying two negatives and saying result is negative
- ❌ Parentheses Confusion --> -3 + 2 = (-3) + 2

By: SALAH ALKMALI

https://sanwaralkmali.github.io/