INTEGERS

Counting numbers: $\{1, 2, 3, 4, 5 \ldots\}$

★ Also called natural numbers

Whole numbers: $\{0, 1, 2, 3, 4 \ldots\}$

Integers: $\{\ldots -3, -2, -1, 0, 1, 2, 3 \ldots\}$

Signed Numbers: any number that is positive or negative
(fractions and decimals are included)

Addition of Signed Numbers

Rules for Addition:

Same sign - add the "numbers"
keep the sign
★ Put together

Different signs - subtract the "numbers"
keep the sign of the
stronger number
★ Find the difference

Subtraction of Signed Numbers

Subtraction really means: adding the opposite

4 cases: $5 - 3 = 5 + {}^-3 = 2$

$5 - {}^-3 = 5 + 3 = 8$

$-5 - 3 = {}^-5 + {}^-3 = {}^-8$

$-5 - {}^-3 = {}^-5 + 3 = {}^-2$

HOMEWORK

Worksheet - HW Add/Subtract
Signed Numbers