Adding Integers

January 30, 19 8:42 AM

case ① - Both positive numbers

* Just add them up ⊕ + ⊕ = ⊕

Ex. 7 + 12 = 19

case ② - Both Negative numbers

* Add up as if positive (then change the answer to negative)

⊖ + ⊖ = ⊖

Ex. (-8) + (-7) = -15

-8 + -7 = -15

case ③ Different signs: Bigger Positive

* Think like subtraction ⊕ + ⊖ = ⊕

Ex. 13 + (-9) = 4

Think: 13 - 9 = 4

Adding a negative is the SAME as subtracting!

25 + (-11) = 14

Think: 25 - 11 = 14

-8 + 13 → 13 + -8 = 5

Think: $13 - 8 = 5$

case (4) : Different signs : Negative is Bigger

- Ignore signs, subtract the numbers, make answer negative

$\ominus + \oplus = \ominus$

Ex. $(-13) + 7 = -6$

$13 - 7 = 6$

$(-32) + 19 = -13$

$32 - 19 = 13$

$15 + (-18) = -3$

$18 - 15 = 3$