

Adding and Subtracting Integers

Important Rules:

Adding Integers

- If the signs are the same, add the numbers and keep the same sign!

Examples:

a) $3 + 4 = 7$

b) $-3 + (-8) = -11$

- If the signs are different, keep the sign of the bigger number then subtract the two numbers

Examples:

a) $8 + (-4) = +4$

b) $-11 + 15 = +4$

Subtracting Integers

- Change the subtraction with the second number and add the numbers

Examples:

a) $3 - (+8) = 3 + (-8) = -5$

b) $-2 - (-10) = -2 + 10 = 8$

c) $-17 - (+8) = -17 + (-8) = -25$

d) $88 - 100 = 88 + (-100) = -12$