

INTEGERS

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ADDITION OF INTEGERS

SAME SIGNS

- ADD the numbers
- KEEP the sign

Examples:

$$9 + 3 = 12$$
$$-9 + -3 = -12$$

DIFFERENT SIGNS

- SUBTRACT the numbers
- TAKE the sign of the number with the greater absolute value.

Examples:

$$9 + -3 = 6$$
$$-9 + 3 = -6$$

SUBTRACTION OF INTEGERS

- ADD the OPPOSITE

Examples:

$5 - (-4)$	$-5 - (-4)$	$-5 - 4$
$5 + 4$	$-5 + 4$	$-5 + (-4)$
9	-1	-9

MULTIPLICATION/DIVISION OF INTEGERS

SAME SIGNS

The answer is POSITIVE.

Examples:

$$9 \times 3 = 27$$
$$\frac{9}{3} = 3$$
$$-9 \times -3 = 27$$
$$\frac{-9}{-3} = 3$$

DIFFERENT SIGNS

The answer is NEGATIVE.

Examples:

$$9 \times -3 = -27$$
$$\frac{9}{-3} = -3$$
$$-9 \times 3 = -27$$
$$\frac{-9}{3} = -3$$