

Section Overview



Integer Operations

Lessons 11-4 through 11-7

Why? When you know how to operate with integers, you can solve equations and problems involving integers.

Addition	Rule	Examples
Add integers with like signs .	Find the sum of their absolute values. Then use the sign of the integers.	$5 + 4 = 9$ $(-6) + (-2) = -8$
Add integers with unlike signs .	Find the difference of their absolute values. Then use the sign of the integer with the greater absolute value.	$9 + (-3) = 6$ $-8 + 7 = -1$

Subtraction	Rule	Examples
Subtract integers.	To subtract an integer, add its opposite .	$2 - (-3) = 2 + 3$ $= 5$ $-7 - 1 = -7 + (-1)$ $= -8$

Multiplication and Division	Rule	Examples
Multiply or divide integers with like signs .	Find the product or quotient of their absolute values. The answer will be positive .	$4 \cdot 5 = 20$ $-24 \div -6 = 4$
Multiply or divide integers with unlike signs .	Find the product or quotient of their absolute values. The answer will be negative .	$-8 \cdot 3 = -24$ $36 \div -4 = -9$