

Subtracting Integers

Subtracting: Adding the Opposite

Rule 3: To Subtract, Add the Opposite

- * If Same Sign, Add and Keep the Sign
- * If Different Signs, Subtract, Keep Sign of Largest

Example: Subtract $-3 - 5$

$-3 - (+5)$ Subtraction

$= -3 + (-5)$ Add the Opposite, Same Signs, Negative

$= -(3 + 5)$ Add and Keep the Sign

$= -8$ Result

Video:



Example: Subtract $8 - (-5)$

Example: Subtract $30 + (-2) - 19$

Example: Using a basic 4-function calculator

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Additional Example: Subtract $-7 - (-3)$

$-7 - (-3)$	Subtraction
$= -7 + (+3)$	Add the Opposite, Different Signs
$= -(7 - 3)$	Subtract, Keep Sign of Largest, 7
$= -4$	Result

Video:

