

2-2 and 2-3
Adding and Subtracting Integers

Aug 5-3:07 PM

We can use a number line to visualize adding and subtracting integers.

$3 + 9 = 12$
 $+11 + -15 = -4$
 $-7 + -6 = -13$

May 19-11:05 AM

We won't always have a number line in front of us. See if you can find a pattern or create a rule for adding and subtracting integers.

$5 + 3 = 8$	$-9 - 5 = -9 + -5 = -14$
$-4 + -5 = -9$	$18 - 5 = 13$
$0 + 6 = 6$	$-3 + -5 = -8$
$-8 + -3 = -11$	$2 + -15 = -13$

Apr 28-2:47 PM

Rule: when adding numbers with the same sign,
add the numbers, keep the sign.

$22 + 43 = 65$ $-22 + -43 = -65$

Apr 28-2:56 PM

Rule: when adding numbers with different signs,
subtract the numbers, keep the bigger sign

$3 + -6 = -3$ $-5 + 10 = +5$
 $-4 + 7 = +3$

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$16 + -8$

Aug 5-3:19 PM

$$-45 + -5 = x$$

$$a = 34 + -60$$

$$-9 + 29 = c$$

$$-23 + -456 = n$$

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What should we do with these?

$$-(-4) =$$

$$-(-100) =$$

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$$-6 - (-8)$$

What is a shortcut for this problem?

$$a = 3 + (-7) + 12 - 6 + 9$$

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$$k = 51 + (-7) + (-17) + 2$$

Sally begins hiking at an elevation of 324 feet. Then, she descends to an elevation 201 feet and climbs to an elevation 55 higher than which she first began. She then descends 183 feet. Describe the overall change in elevation.



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May 27-7:51 AM

$$t = 92 + 73 + (-51) + 100 - 16$$

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$$h = 4 - (-7)$$

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$$y = 17 - (-26)$$

Aug 5-3:57 PM

$$z = -78 - (-98)$$

Aug 5-3:57 PM

An elevator started at the first floor and went up 18 floors. It then came down 11 floors and went back up 16. At what floor was it stopped?



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At midnight, the temperature was 30 degrees Fahrenheit. By 6:00 a.m., it had dropped 5 degrees and by noon, it had increased by 11 degrees. What was the temperature at noon?

Aug 5-4:00 PM

Win - A - Row Game Board

								sum

1 2 3 4 5 6 7 8
-1 -2 -3 -4 -5 -6 -7 -8

Apr 28-3:13 PM

Page 72 (20-32 even)
Page 78 (22-30 even)

Sep 11-8:41 AM