

Do Now:

1.) $47 - 18 = \underline{29}$

2.) $65 - 48 = \underline{17}$

3.) $103 - 88 = \underline{15}$

Sep 15-7:31 AM

1.6 Subtracting Integers

7.NS.1

- SWBAT subtract integers.
- SWBAT understand numbers and understand meanings of operations.

Calculators: No

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Subtracting Integers

- To subtract integers, add its opposite

Ex: $a - b$
 $= a + (-b)$

Ex: $3 - 7$
 $= 3 + (-7)$
 $= -4$

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-200 - 20

Steps to solve:

SAME	1. Leave the first number alone.	-200 - 20
CHANGE	2. Change the minus sign to a plus	-200 + 20
OPPOSITE	3. Use the OPPOSITE of the second number	-200 + (-20)

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SAME	CHANGE	OPPOSITE
-------------	---------------	-----------------

1.) $4 - 10$
 $4 + (-10)$
 $\underline{-6}$

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SAME	CHANGE	OPPOSITE
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2.) $7 - (-5)$
 $7 + 5$
 $\underline{12}$

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SAME
 CHANGE
 OPPOSITE

3.) $-2 - (-9)$

$-2 + 9$

(7)

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$-15 + (-75) + 100$

4.) $-15 - 75 - (-100)$

$-15 - 75 - (-100)$

$-15 - 75 + 100$

$-90 + 100$ ✓

(10)

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Try this...

1.) $6 - 13$ (7)

2.) $-12 - 4$ (16)

3.) $-5 - (-15)$ (10)

4.) $-10 - (-525) - 280$ (235)

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Evaluate when $x = -9$

1.) $x - (-40)$ 2.) $7 - x$

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Evaluate $d = -5$, $e = 14$, and $f = -7$

1.) $-3 - e - d$ 2.) $f - e - d$

(-12) (-16)

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In 1962, the summit elevation of Kick'em Jenny was -235 meters. In 2002, the summit elevation was -182 meters. By how many meters did the elevation of the volcano change?

$\begin{array}{r} 235 \\ -182 \\ \hline 53 \end{array}$

(53 m)

$-235 + d = -182$
 $+235$ $+235$
 $d = 53$

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Find the change in elevation of a diver who descends to -52 feet from -37 feet.

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Exit Pass 1.6
 Complete the statement using *always*, *sometimes*, or *never*.

1. A negative number minus a positive number is always negative.
2. A positive number minus a negative number is never negative.
3. Explain how you'd find the difference of -45 and -60.
 Same Change Opposite
 $-45 - -60$
 $-45 + 60$
 15

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"Perfect practice makes perfect."
 Working individually or with a partner, complete the classwork.

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Reflection of Today's Lesson

1.6 Subtracting Integers
 7.NS.1
 SWBAT subtract integers. ✓
 SWBAT understand numbers and understand meanings of operations. ✓

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Homework

pg. 36 #12-32 even
 and #40-46 even

Sep 11-7:06 PM