## Unit 1: Review & Numeracy

## Integers and Order of Operations Sq. 10/2015

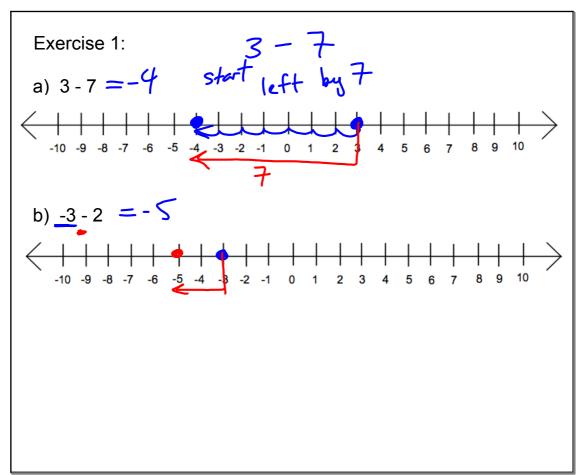
An integer is a whole number with any sign.

## Examples:

Integers	NOT Integers	
5 126 -6 30 000 000	0.5	$25\% = 0.25$ $= \frac{25}{100}$

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When adding or subtracting integers, move along the number line. amount to move starting point · in that direction direction to move



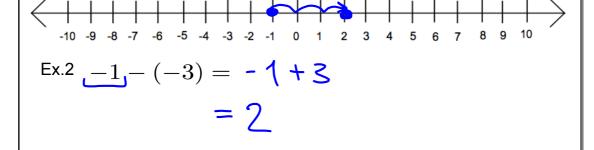
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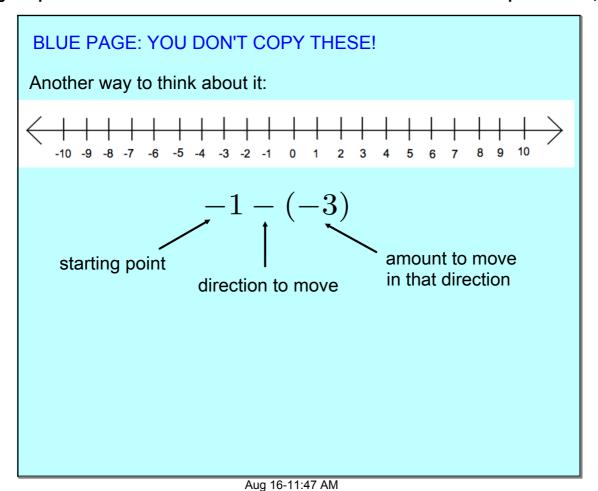
If there are two signs next to each other, change it to one sign using the rules:

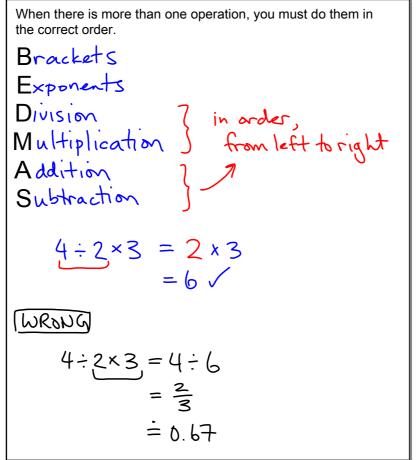
$$(+)(+) \to +$$
 $(-)(-) \to +$ 
 $(+)(-) \to (-)(+) \to -$ 

If the signs are the same, it's positive.

If the signs are different, it's negative.







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Note: For a fraction, the numerator and denominator are understood to have brackets.

$$\frac{1+2}{3+4} = \frac{(1+2)}{(3+4)}$$

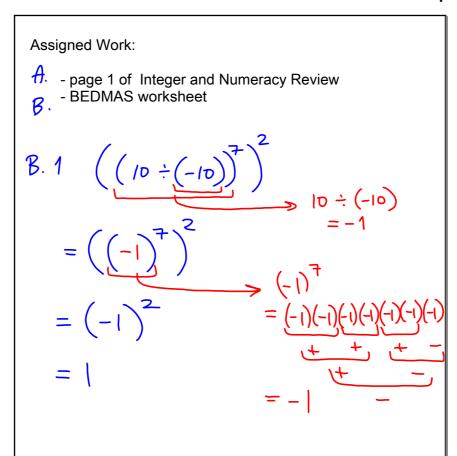
If no brackets are shown, draw them yourself.

Important! This concept is a source of errors even in Grade 12!

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Exercise 3: Simplify, showing all steps.

(a) 
$$2 [(-1)^2 - 3 + 8]$$
 $= 2[ 1 - 3 + 8]$ 
 $= 2 [ -2 + 8]$ 
 $= 2 [ 6]$ 
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