

Topic:
Adding
Integers

Lesson Essential Question

What methods can we use to add integers?

Chip
Method
a.k.a.
Plus/Minus

**Make Zero Pair - one
of each color makes a
zero pair...why?**



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What methods can we use to add integers?

**Number
Line
Method**



REMEMBER

**NEGATIVE #s
go to the left**

**POSITIVE #s
go to the right**

Examples

$$3 + (-4) =$$

$$(-8) + (-2) =$$

$$-5 + 9 =$$

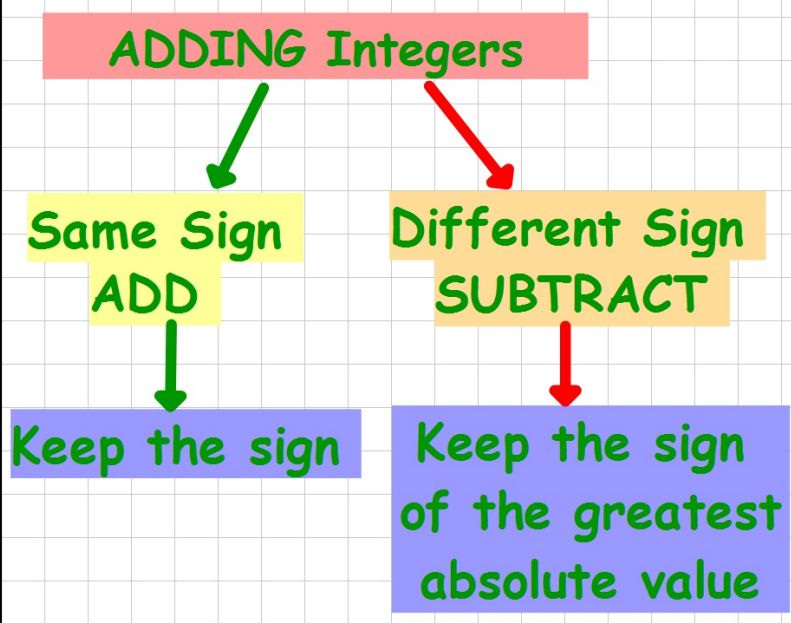
$$3 + -3 =$$

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Lesson Essential Question

What methods can we use to add or subtract integer relationships?

**Flowchart
Method**



- $3 + (-4)$
- $(-8) + (-4)$
- $-5 + 9$
- $3 + -3$
- $5 + 6$

Topic: Subtracting Integers	<u>Lesson Essential Question</u> What methods can we use to subtract integers?
Flowchart Method	<p>SUBTRACTING Integers</p> <p>Rewrite an addition problem Add the opposite or "same-change-change"</p> <p>↓</p> <p>Same Sign ADD</p> <p>↓</p> <p>Keep the sign</p> <p>↓</p> <p>Different Signs SUBTRACT</p> <p>↓</p> <p>Keep the sign of the greatest absolute value</p>

<p>Topic: Subtracting Integers</p>	<p><u>Lesson Essential Question</u> What methods can we use to subtract integers?</p>								
<p>Flowchart Method</p> <p>What does "Same, change, change" mean?</p>	<p>"Same-change-change"</p> <p>Let's look closer at what this means...</p> <ul style="list-style-type: none"> ○ keep the first value ○ change subtraction into addition ○ change the second value to its opposite ○ then use rules for addition <p>For example:</p> <table style="width: 100%; border: none;"> <tr> <td style="padding: 5px;">$3 - (-4)$</td> <td style="padding: 5px;">$(-8) - (-4)$</td> </tr> <tr> <td style="padding: 5px;">$3 + 4$</td> <td style="padding: 5px;">$-8 + 4$</td> </tr> <tr> <td style="padding: 5px;">$-5 - 9$</td> <td style="padding: 5px;">$6 - 7$</td> </tr> <tr> <td style="padding: 5px;">$-5 + 9$</td> <td style="padding: 5px;">$6 + -7$</td> </tr> </table>	$3 - (-4)$	$(-8) - (-4)$	$3 + 4$	$-8 + 4$	$-5 - 9$	$6 - 7$	$-5 + 9$	$6 + -7$
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