

Name:

Topic: Integers

Real Number System

Irrational Numbers

Rational Numbers

Integers

Whole Numbers

Counting Numbers

What is an integer?

What are the Rules for adding Integers?

Same signs, **ADD** and *keep*

Different signs **subtract**

Keep the **sign of the larger digit** than you'll be exact!

Let's play a game, which is the larger digit?

5	6	11	3	19	21	1	0	34	35	89	92
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Modeling_ How do we add integers?

$5 + 5$	$-5 + 5$	$5 + (-5)$	$-5 + (-5)$
- Same signs?	- Same signs?	- Same signs?	- Same signs?
- Different sign?	- Different sign?	- Different sign?	- Different sign?
- Add/Subtract?	- Add/Subtract?	- Add/Subtract?	- Add/Subtract?

Okay... Let's take this all in.....

If the signs are the same we _____

If the signs are different we _____

Practice Makes Perfect!

$6 + 8$	$-6 + -8$	$9 + 3$	$-9 + -3$
- Same signs?	- Same signs?	- Same signs?	- Same signs?
- Different sign?	- Different sign?	- Different sign?	- Different sign?
- Add/Subtract?	- Add/Subtract?	- Add/Subtract?	- Add/Subtract?

<p style="text-align: center;">$-6 + 8$</p> <ul style="list-style-type: none"> - Same signs? - Different sign? - Add/Subtract? 	<p style="text-align: center;">$6 + -8$</p> <ul style="list-style-type: none"> - Same signs? - Different sign? - Add/Subtract? 	<p style="text-align: center;">$9 + -3$</p> <ul style="list-style-type: none"> - Same signs? - Different sign? - Add/Subtract? 	<p style="text-align: center;">$-9 + 3$</p> <ul style="list-style-type: none"> - Same signs? - Different sign? - Add/Subtract?
<p style="text-align: center;">$11 + 4$</p> <ul style="list-style-type: none"> - Same signs? - Different sign? - Add/Subtract? 	<p style="text-align: center;">$-11 + 4$</p> <ul style="list-style-type: none"> - Same signs? - Different sign? - Add/Subtract? 	<p style="text-align: center;">$-11 + (-4)$</p> <ul style="list-style-type: none"> - Same signs? - Different sign? - Add/Subtract? 	<p style="text-align: center;">$-4 + (-11)$</p> <ul style="list-style-type: none"> - Same signs? - Different sign? - Add/Subtract?
<p style="text-align: center;">$-4 + 11$</p> <ul style="list-style-type: none"> - Same signs? - Different sign? - Add/Subtract? 	<p style="text-align: center;">$12 + -13$</p> <ul style="list-style-type: none"> - Same signs? - Different sign? - Add/Subtract? 	<p style="text-align: center;">$-13 + 12$</p> <ul style="list-style-type: none"> - Same signs? - Different sign? - Add/Subtract? 	<p style="text-align: center;">$-12 + -13$</p> <ul style="list-style-type: none"> - Same signs? - Different sign? - Add/Subtract?

<p>$-12 + 13$</p> <ul style="list-style-type: none">- Same signs?- Different sign?- Add/Subtract?	<p>$16 + -5$</p> <ul style="list-style-type: none">- Same signs?- Different sign?- Add/Subtract?	<p>$-16 + -5$</p> <ul style="list-style-type: none">- Same signs?- Different sign?- Add/Subtract?	<p>$-16 + 5$</p> <ul style="list-style-type: none">- Same signs?- Different sign?- Add/Subtract?
<p>$-17 + 9$</p> <ul style="list-style-type: none">- Same signs?- Different sign?- Add/Subtract?	<p>$-9 + 9$</p> <ul style="list-style-type: none">- Same signs?- Different sign?- Add/Subtract?	<p>$20 + (-20)$</p> <ul style="list-style-type: none">- Same signs?- Different sign?- Add/Subtract?	<p>$-11 + 13$</p> <ul style="list-style-type: none">- Same signs?- Different sign?- Add/Subtract?