Integers are the set of negative and positive whole numbers.

Adding Integers

If the signs are the same...

- add the numbers and keep the sign
  $^{+}5 + {}^{+}2 = {}^{+}7$ or $^{-}5 + {}^{-}2 = {}^{-}7$

If the signs are different...

- subtract the numbers and take the sign of the number with the largest absolute value
  $^{+}5 + {}^{-}2 = {}^{+}3$ or $^{-}5 + {}^{+}2 = {}^{-}3$

*Same sign, add and keep
*Different signs subtract
*Use the sign of the bigger number, then you'll be exact

Subtracting Integers

Change the subtraction problem into an addition problem with keep, change, change.

- Keep the sign of the first number
- Change the subtraction (-) to addition (+)
- Change the sign of the second number

$^{+}5 - {}^{-}2 = {}^{+}7$

keep change change

Rewritten as: $^{+}5 + {}^{+}2 = {}^{+}7$

$^{-}5 - {}^{+}2 = {}^{-}7$

keep change change

Rewritten as: $^{-}5 + {}^{-}2 = {}^{-}7$

- Use the addition rules

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$^{+}5 - {}^{-}2 = {}^{+}7$

keep change change

Rewritten as: $^{+}5 + {}^{+}2 = {}^{+}7$

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Rewritten as: $^{-}5 + {}^{-}2 = {}^{-}7$

- Use the addition rules