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| Addition | <ul style="list-style-type: none">● If the signs are the same find the sum and keep the sign● If the signs are different find the difference in the digits and take the sign of the larger digit Examples: <ol style="list-style-type: none">1.) $3+4=7$2.) $-3+(-4)= -7$3.) $3+(-4)= -1$4.) $-3+ 4= 1$ |
| Subtraction | <ul style="list-style-type: none">● “Additive Inverse” or “Add Opposite”- Keep, Change, Change Examples: <ol style="list-style-type: none">1.) $3-(4)= 3+(-4)= -1$2.) $-3-(-4)= -3+(4)= 1$3.) $3-(-4)= 3+4= 7$4.) $-3-(4)= -3+(-4)= -7$ |
| Multiplication | <ul style="list-style-type: none">● Multiply Digits● Like Signs the product is positive● Unlike Signs the product is negative Examples: <ol style="list-style-type: none">1.) $3\cdot 4= 12$2.) $-3\cdot (-4)= 12$3.) $3\cdot (-4)= -12$4.) $-3\cdot 4= -12$ |
| Division | <ul style="list-style-type: none">● Divide Digits● Like Signs the quotient is positive● Unlike Signs the quotient is negative Examples: <ol style="list-style-type: none">1.) $12\div 4= 3$2.) $12\div (-4)= -3$3.) $-12\div 3= -4$4.) $-12\div (-3)= 4$ |

Helpful videos:

<https://www.khanacademy.org/math/arithmetic/arith-review-negative-numbers/arith-review-add-and-sub-integers/v/adding-integers-with-different-signs>

<https://www.khanacademy.org/math/arithmetic-home/negative-numbers/mult-divide-negatives/v/multiplying-and-dividing-negative-numbers>