

RATIONAL NUMBER OPERATIONS CHEAT SHEET

ADD	SUBTRACT	MULTIPLY OR DIVIDE
WHEN SIGNS ARE THE SAME 1.) Add the numbers. 2.) Keep the sign WHEN SIGNS ARE DIFFERENT 1.) Subtract the numbers. 2.) Keep the sign of the ABSOLUTE VALUE of the larger number. (The bigger number without the sign!)	1.) Keep, change, change. 2.) Follow addition rules.	1.) Multiply or divide. 2.) Use SPUN

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OPERATIONS WITH FRACTIONS CHEAT SHEET

ADD OR SUBTRACT	MULTIPLY OR DIVIDE	IMPROPER FRACTION ↔ MIXED NUMBER
WHEN DENOMINATORS ARE THE SAME 1.) Add the numerators. 2.) Keep the denominator. WHEN DENOMINATORS ARE DIFFERENT 1.) Find common denominator. 2.) Find the equivalent fraction(s). 3.) Use addition rule above!	MULTIPLY 1.) Multiply across for the numerator and denominator. DIVIDE 1.) Keep, Change, Flip 2.) Multiply!	IMPROPER FRACTION TO MIXED NUMBER 1.) Divide the denominator into the numerator. MIXED NUMBER TO IMPROPER FRACTION 1.) Multiply the denominator by the whole number 2.) Add the numerator. 3.) Put the sum from step 2 over the original denominator.

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