

o Pi = 3.145159265····

o 0.3 = 0.33333333333333....

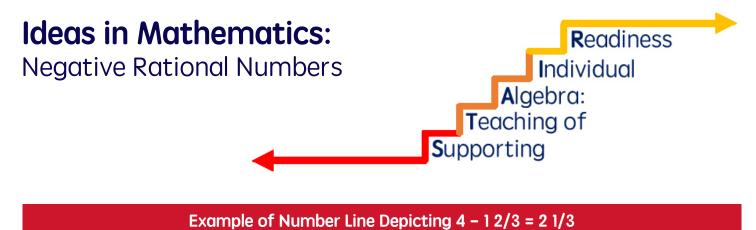


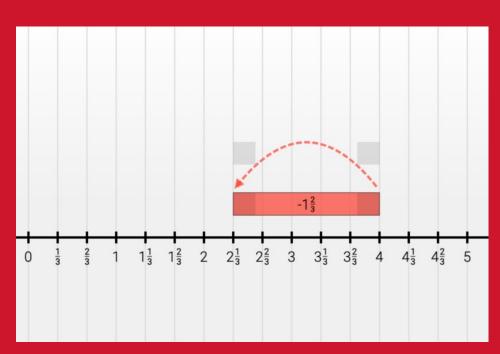
Teaching Rational Numbers

• Prior to teaching rational numbers, it is beneficial to teach operations using positive and negative integers.

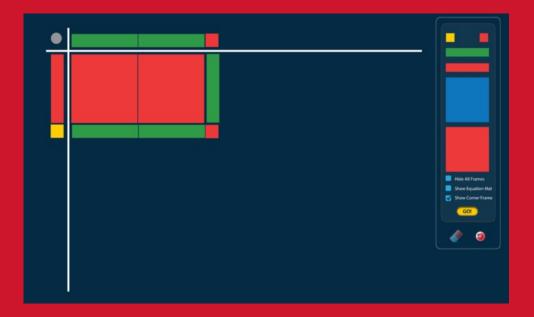
• When teaching rational numbers, fractions may be a challenging topic for students. It is beneficial to review or reteach any fraction concepts as necessary to ensure that students understand what fractions are before they begin to manipulate them.

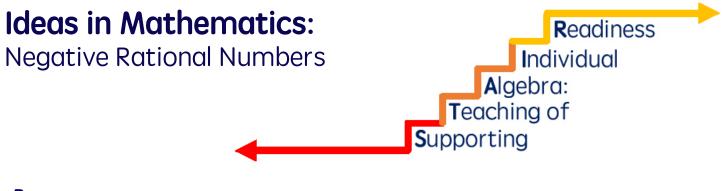
• When working with negative rational numbers, number lines, two sided counters, and algebra tiles are useful visualization tools.





Example of Algebra Tiles Depicting (2x-1)(-x+1) = -2x2 + 3x - 1





Resources

• Math Learning Center Number Line

o This number line can be set to portray whole numbers, fractions, or decimals and can be a great tool for helping students manipulate negative rational numbers.

Didax Algebra Tiles

o Algebra tiles are versatile tools that can be used to represent whole numbers, integers, and rational numbers.

• Mathigon Algebra Tiles

o This website provides an additional format for using Algebra tiles virtually.

• Didax

o This website provides two sided counters