

Nth Roots and Rational Exponents

Objective	Students will be able to find the nth root of numbers. Students will be able to evaluate expressions with rational exponents.
"I Can" Statement	I can find the nth root of numbers. I can evaluate expressions with rational exponents.

Common Core Standards	HSN-RN.A.1: Explain how the definition of the meaning of rational exponents follows from extending the properties of integer exponents to those values, allowing for a notation for radicals in terms of rational exponents. HSN-RN.A.2: Rewrite expressions involving radicals and exponents using the properties of exponents.
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Supplies	Bell Ringer, Intro Activity, Rational Exponents and Radical Functions Note Sheet, Gallery Walk Activity and Recording Sheet, Exit Slip, Homework
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Opening Activity	Bell Ringer: simplifying an expression with square root operation + two spiral review problems
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Input	1. Connection Activity: Connecting rational exponents to radical raised to an exponent form 2. I Do/We Do: PowerPoint guided lesson and note sheet 3. You Do: Gallery Walk 3. Additional Resources and/or Homework
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Closure/Assessment	Exit Slip: Nth Roots and Rational Exponents
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Homework	Nth Roots and Rational Exponents worksheet with Spiral + Test Prep Questions
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Additional Resources	See Resources section of MathClassroomResources.com for repetitive skill practice worksheet suggestions
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