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| **Class** | Algebra 1 | **Topic** | U1 – Approximating Square Roots | **Lesson** |  5 | **Of** | 11 |

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| **Objective** | Students will:* Recognize if a number is a perfect square or not.
* Define principal root.
* Find the square root of a number.
* Find two consecutive integers between which the given square root lies.
* Determine two rational numbers with two decimal places between which the given square root lies.
* Approximate the square root up to the third estimate by averaging
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| **“I Can” Statement** | I can determine the square root of a number.I can approximate the square root of a number by finding consecutive integers or two rational numbers with two decimal places between which the square root lies. I can approximate the square root of a number by averaging. |

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| **Common Core Standards** | [CCSS.MATH.CONTENT.8.NS.A.2](http://www.corestandards.org/Math/Content/8/NS/A/2/)Use rational approximations of irrational numbers to compare the size of irrational numbers, locate them approximately on a number line diagram, and estimate the value of expressions (e.g., π2). *For example, by truncating the decimal expansion of √2, show that √2 is between 1 and 2, then between 1.4 and 1.5, and explain how to continue on to get better approximations*. |

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| **Bell Work** | See Bell Work 1-5 |

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| **Procedures** | 1. Start and lead student discussion related to the bell work. 2. Distribute the Guided Notes3. Present lesson or play a video lesson.4. Use an Online Activity if time permitted. 5. Distribute Lesson Assignment. |

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| **Assessment** | Bell Work 1-5Assignment 1-5Exit Quiz 1-5 |

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| **Additional Resources** | See Online Activities |