

Math 8 - Ms. TyeTeacher website: mrsjohnsonandmstye.weebly.com**Quarter 3 Week 3: 2-12 to 2-16**

Date:	In Class:	Assignment:	Success Criteria
Monday 2-12	☐ No School		
Tuesday/ Wednesday 2-13/2-14 Block Class	Learning Target: To learn the classification of numbers and be able to provide examples of each class. ☐ Real Numbers Review in notebook (worksheet) ☐ The Rational Number System Worksheet Packet	☐ Pythagoras & Rational/Irrational Numbers Quiz on Thursday, February 15.	I can use the Pythagorean Theorem to find distance. I can identify rational and irrational numbers.
Thursday 2-15 See All Classes	Learning Target: To show your understanding of the Pythagorean Theorem and Rational and Irrational Numbers. ☐ Summative Quiz - Rational and Irrational Numbers and Pythagorean Theorem		
Friday 2-16 See All Classes 2nd Qtr. Celebration	Learning Target: ☐ Logic Puzzles	☐	

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Helpful Websites:

Rational Numbers:

- <https://www.mathsisfun.com/rational-numbers.html>
- <http://virtualnerd.com/pre-algebra/rational-numbers/definitions-basics/definitions/rational-number-definition>
- <https://www.khanacademy.org/math/algebra/rational-and-irrational-numbers/alg-1-irrational-numbers/v/introduction-to-rational-and-irrational-numbers>

Irrational Numbers:

- <https://www.mathsisfun.com/irrational-numbers.html>
- <http://virtualnerd.com/pre-algebra/real-numbers-right-triangles/real-and-irrational/define-real-numbers/irrational-number-definition>
- http://www.softschools.com/math/topics/irrational_numbers/

Math Standards:

8.NS.A.1 Know that numbers that are not rational are called irrational. Understand informally that every number has a decimal expansion; for rational numbers show that the decimal expansion repeats eventually, and convert a decimal expansion which repeats eventually into a rational number.

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., π^2). For example, by truncating the decimal expansion of $\sqrt{2}$, show that $\sqrt{2}$ is between 1 and 2, then between 1.4 and 1.5, and explain how to continue on to get better approximations.

Math Practices:

- Look for and express regularity in repeated reasoning.