Web Quest August 25th, 2014

Directions: Level 0. You may bring your own headset. You are to remain on the APPROVED websites/activities listed below. READ THE DIRECTIONS.

8NS1 and 8NS2 SWBAT (students will be able to…): Classify numbers as rational or irrational; approximate the location of irrational/rational numbers on a number line, and calculate square roots (perfect and non-perfect).

**Part I.** <http://www.thatquiz.org/tq/practicetest?6w29hg3z9ig>

The link above will take you to an interactive number line. Here you will demonstrate your mastery and understanding of ordering/comparing rational and irrational numbers on a number line. **When you complete the stages you will see your score, time elapsed, # of correct answers and # of incorrect answers. Raise your hand so that I may verify your score (8NS2). MY SCORE:\_\_\_\_\_\_\_**

1. DRAW and LABEL one of your number lines.

**Part II.**

Visit Compass via the school website and complete the following compass codes:

M8003/M8004 (Rational and Irrational numbers)

M8021 M8022 (Square Roots)

Estimating Square Roots/Simplifying Square Roots Game

<http://www.quia.com/rr/382994.html>   
Can you become a millionaire? (Play the game to test your skills of simplifying square roots)

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| --- | --- |
|  | XP Estimating Square Roots  <http://www.ixl.com/math/grade-8/estimate-positive-and-negative-square-roots> |

**Part IV:** Need help classifying Rational VS Irrational?

**Play-**[Real Number Game](http://staff.argyll.epsb.ca/jreed/math9/strand1/munchers.htm)    
*Real number sort. Progress through the levels and identify the different type.*

**Play: Number Munchers (progress through the levels identifying rational, integers, whole, natural, irrational etc)**

<http://www.math-play.com/rational-and-irrational-numbers-game/rational-and-irrational-numbers-game.html>

**Play-Drag and Drop ‘Sorting Rational vs Irrational’**

<http://www.math-play.com/rational-and-irrational-numbers-game/rational-and-irrational-numbers-game.html>

Fast finishers: You can work on the studyguide, you can work on other compass folders, you can work on quiz corrections, you can ask to work in small group 1-1 to review/reteach 8NS1 and 8NS2 skills, you may read quietly and OR work on additional coursework.