



Proficiency Scale

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GRADE LEVEL: 8 COURSE NAME: MATH
MEASUREMENT TOPIC: ANALYZE THE REAL NUMBER SYSTEM

4

In addition to Score 3, the student makes in-depth inferences and applications.

3

- **Compare and order rational and irrational numbers with and without a number line.**
- **Estimate the values of irrational numbers to the tenth decimal place.**
- Identify and classify examples of rational and irrational numbers.

2

- Plot an approximation of an irrational number on a number line.
- Convert rational numbers between the decimal and fraction representation.
- Identify perfect and non-perfect squares and cubes.

1

With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.

Key Vocabulary: