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Primary Type: Tutorial

Direct Link: <https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-numbers-operations/cc-8th-approximating-irrational-numbers/v/comparing-values-with-calculator>

Comparing Irrational Numbers With and Without a Calculator

In this video, you will practice comparing an irrational number to a percent. First you will try it without a calculator. Then you will check your answer using a calculator.

General Information

Subject(s): Mathematics

Grade Level(s): 8

Intended Audience: [Students](#)

Instructional Time: 4 Minute(s)

Keywords: comparing numbers, radicals, irrational numbers

Instructional Component Type(s): [Tutorial](#), [Video/Audio/Animation](#),

Instructional Design Framework(s): [Demonstration](#)

Resource Collection: Secondary Math specific existing tutorials

Suggested Technology: Computers for Students, Internet Connection, Speakers/Headphones

Source and Access Information

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District/Organization of Contributor(s): Leon

Access Privileges: Public

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Aligned Standards

Name	Description
MAFS.8.NS.1.2:	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.