

Lesson 1.03 Converting Irrational Numbers into Rational Approximations

Overview

The goal of this lesson is to identify rational and irrational numbers and convert irrational numbers into rational approximations.

You might remember that an irrational number is one that cannot be expressed as a fraction. Most often they are numbers with non-terminating, non-repeating decimals, or the root of a non-perfect square.

By the end of this lesson you will be able to provide a reasonable rational estimate for irrational numbers.

Review of Prior Learning – Prepare For This Topic

Navigate to the Pearson/Prentice Hall site to take your preassessment. Record your score (self assessment).

Instruction

1. Watch the instructional video on rational and irrational numbers
2. Read the “piece on pi” found in the reading area of your lesson page.

My steps for lesson 1.03 Converting Irrational Numbers

1. Take preassessment on the Pearson site
2. Navigate to the lesson page and watch the video
3. Complete the worksheet
4. Log on to Apangea and complete the irrational numbers thread
5. Take postassessment on the Pearson site
6. Blog my reflective summary and post the link to the discussion board.
7. Respond to two classmates' blog entries.

Practice

Give it a Try –

1. Using the link provided on the left of your lesson page, download the .pdf form worksheet and complete it. Save it as yourname103 and upload it to the drop box.

If you experience login errors, or you do not have your assigned username and password, please let me know via e-mail.

Assess

1. Navigate to the Pearson/Prentice Hall site to take your postassessment. Record your score (self assessment).

Reflect

(Blog assignment) – Topic:

1. What was the difference in scores between the preassessment and post assessment?
2. Describe the effect of converting irrational numbers on accuracy. Why is it important to make a close approximation?
3. Post the URL to your blog on the discussion forum.

Respond

1. Read at least two classmates' blogs and to each, provide a thoughtful response (four or more sentences).