Unit 5, Lesson 9

Order Decimals

Let's put decimals in order.

Warm-up

True or False: Decimal Inequalities

Decide if each statement is true or false. Be prepared to explain your reasoning.

- $0.909 > 0.91$

- $4.1 < 4.100$

- $0.99 < 0.999$

Activity 1

Caught in the Middle

1. Fill in the blank to make each statement true. Use the number lines if they are helpful.

   a. $786.2 < _____ < 786.3$

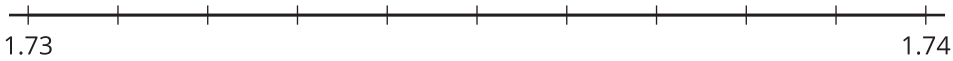
   b. $9.99 < _____ < 10$

   c. $0.46 > _____ > 0.45$

   d. $0.5 < _____ < 0.51$

   e. $0.99 < _____ < 0.999$

2. Kiran says that there is no number between 1.731 and 1.732. Do you agree? Use the number line if it is helpful.



Activity 2

Least to Greatest

Write each set of numbers in order from least to greatest.

1. 67.020, 67.200, 67.002

2. 1.101, 1.02, 1.1

3. 0.333, 0.323, 0.3

4. 99.99, 99.09, 99.091