

SOL Standard 6.4: The student will **compare and order** whole numbers, fractions, and **decimals**, using concrete materials, drawings, or pictures, and mathematical symbols.

Order Whole Numbers and Decimals

Line up numbers (Remember decimals must line up)

Start at the left and compare digits in the same place.

Example 1:

1. 4 3 5 7
1. 3 4 7 5

The ones are the same
4 tenths is greater than 3 tenths, so 1.4357 is greatest

Example 2:

1. 4 3 5 7
1. 4 3 7 5

The ones, tenths, and hundredths are the same
5 thousandths is less than 7 thousandths, so 1.4375 is greatest

Example 3:

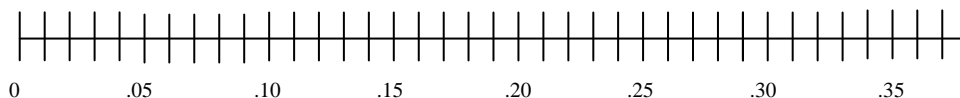
1. 7 1 0
1. 7 0 0
1. 7 2 5

Use 0's to hold the place value of a number
and to compare

The ones and tenths are the same

2 hundredths is greater than 1 hundredth and 0 hundredth
so, $1.725 > 1.71 > 1.7$

Use a number line to compare decimals



Label the following Points on the number line.

A = 0.01

B = 0.07

C = 0.23

D = 0.36