Comparing and Ordering Decimals

How do we compare decimals?

- Make sure both numbers have the same number of decimal places   2.3   5.41
  2.30   5.41
- Compare the numbers as if the decimal points were not there   2.30   5.41
  230   541
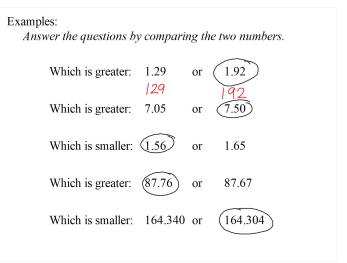- Reminder: $<$ means "is less than"

  $>$ means "is greater than"

  230 < 541

  2.3 < 5.41

Examples:
Answer the questions by comparing the two numbers.

Which is greater: 1.29   or   (1.92)
129   192

Which is greater: 7.05   or   (7.50)

Which is smaller: (1.56)   or   1.65

Which is greater: (87.76)   or   87.67

Which is smaller: 164.340 or   (164.304)

Fill in the blanks below with a <, > or =.

4.7 $>$ 4.07   3.06 $<$ 3.60
4.70   4.07

1.600 $=$ 1.600   1.6 $<$ 6.1

85.58 $>$ 58.85   85.51 $>$ 83.31

2.98 $<$ 3.01   5.45 $>$ 5.405
5.450

44.044 $<$ 44.404   0.05 $>$ 0.005
0.050

Place the numbers below in order from smallest to greatest.
2.3, 3.2, 3.02, 2.03, 3.302

2.3 → 2.300 ②
3.2 → 3.200 ④
3.02 → 3.020 ③
2.03 → 2.030 ①
3.302→ 3.302 ⑤

2.03, 2.3, 3.02, 3.2, 3.302

17.509, 17.905, 17.899, 17.99, 17.099

17.509 → 17.509 ②
17.905 → 17.905 ④
17.899 → 17.899 ③
17.99 → 17.990 ⑤
17.099 → 17.099 ①

17.099, 17.509, 17.899, 17.905, 17.99

HOMEWORK

Worksheet - Comparing & Ordering Decimals