Name _____ Date _____ Class _____

SKILL 3: Comparing and Ordering Decimals

To compare two decimals, write the decimals so that they have the same number of digits after the decimal point. Then compare the digit in each place value starting at the left.

Example 1

Use > or < to compare 0.08 and 0.6.

Step 1: Annex zeros so that both decimals have the same number of digits after the decimal point.

0. 0 8
0. 6 **0**

Step 2: Compare the digits in each place-value position, starting at the left.

The ones digits are the same. Compare the digits in the tenths place. 6 > 0.

Since 6 tenths > 0 tenths, 0.6 > 0.08.

Example 2

Order from least to greatest: 0.725, 0.22, 1.7.

Annex zeros so all number are in thousandths.

Compare the ones. 1 > 0, so 1.7 is the greatest number.
Compare the tenths. 7 > 2, so 0.725 is the next number.

0.725 = 0.725 That means 0.22 must be the least number.
0.22 = 0.220
1.7 = 1.700 From least to greatest, the numbers are 0.22, 0.725, and 1.7.

Guided Practice

Use >, <, or = to compare 3.419 and 3.48.

1. a. Write 3.48 in thousandths. _____

b. Compare the digits. Start with the ones digit: 3 ◯ 3.
Compare the tenths: 4 ◯ 4.
Compare the hundredths: 1 ◯ 8.

c. So, 3.419 ◯ 3.48.

Use >, <, or = to compare each pair of numbers.

2. 2.33 ◯ 2.033 **3.** 41.039 ◯ 41.05 **4.** 0.450 ◯ 0.45

Order from least to greatest.

5. 3.04, 0.304, 0.34 _____

6. 11.011, 10.101, 10.011 _____

Name _____ Date _____ Class _____

SKILL 3: Practice

Use >, <, or = to compare each pair of numbers.

1. 0.4 ◯ 0.6
2. 2.46 ◯ 2.41
3. 9.83 ◯ 9.831
4. 0.5 ◯ 0.416
5. 0.387 ◯ 0.378
6. 4.8 ◯ 4.83
7. 12.75 ◯ 12.749
8. 5.03 ◯ 5.030
9. 23.65 ◯ 22.66
10. 7.382 ◯ 7.823
11. 89.6 ◯ 89.06
12. 5.36 ◯ 6.35

Order from least to greatest.

13. 0.4, 0.7, 0.3

_____

14. 5.68, 5.73, 5.51

_____

15. 21.6, 21.006, 21.06

_____

16. 1.88, 0.888, 1.8

_____

17. 8.23, 8.132, 8.123, 8.213

_____

18. 6.57, 5.68, 5.67, 5.87

_____

Find each answer.

19. Order the names of the cities shown in the table from the city with the greatest amount of rainfall to the city with the least amount of rainfall.

_____

20. Indianapolis had 1.193 meters of rainfall. After which city in your list would you put Indianapolis?

_____

Rainfall (recent year)	
City	**Rainfall**
Atlanta	1.172 m
New York	1.237 m
Seattle	1.119 m

TEST PREP

21. Which list shows numbers in order from least to greatest?
Skill 3

A 2.3, 2.03, 2.033
B 2.03, 2.033, 2.3
C 2.3, 2.033, 2.03
D 2.033, 2.3, 2.03

22. Which is 1.042 written in words?
Skill 1

F one and forty-two hundredths
G one forty-two thousandths
H one and forty-two thousandths
J one thousand forty-two