YEAR 8 · DECIMALS

Ordering and Comparing Decimal Numbers

Use place value to compare decimals and put them in order.

Name _____ **Date** _____

Read each question carefully. For comparisons, write <, > or = in the box. For ordering, rewrite each set in the stated order, separating the numbers with commas.

A. Compare the decimals

Write the correct inequality symbol in each box.

1	4.7 4.70	☐	6	0.8 0.799	☐
2	0.56 0.506	☐	7	6.230 6.23	☐
3	8.09 8.9	☐	8	9.015 9.105	☐
4	3.405 3.45	☐	9	2.005 2.05	☐
5	12.08 12.008	☐	10	7.4 7.04	☐

B. Put the decimals in order

Rewrite all four numbers on the line.

A Set A — **Ascending** (smallest to largest)

0.6 | 0.06 | 0.606 | 0.66

In order: _____

B Set B — **Descending** (largest to smallest)

3.08 | 3.8 | 3.008 | 3.18

In order: _____

C Set C — **Ascending** (smallest to largest)

12.4 | 12.04 | 12.404 | 12.044

In order: _____

D Set D — **Descending** (largest to smallest)

5.05 | 5.5 | 5.005 | 5.55

In order: _____

E Set E — **Ascending** (smallest to largest)

0.91 | 0.109 | 0.901 | 0.19

In order: _____

F Set F — **Descending** (largest to smallest)

7.07 | 7.7 | 7.707 | 7.077

In order: _____

Place-value reminder: compare digits from left to right. You can add zeroes to the end of a decimal without changing its value.