

READING, WRITING, COMPARING, AND ORDERING DECIMALS

What Is Reading, Writing, Comparing and Ordering Decimals?

- **Reading** decimals means being able to state the place value of each digit in a decimal.
- **Writing** decimals means being able to write the decimal in written form or numerical form.
- **Ordering** decimals means being able to arrange decimals from greatest to least or least to greatest.
- **Comparing** decimals means being able to compare decimals to each other.
- **Two symbols** are used to compare decimals: less than ($<$) and greater than ($>$).



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How to Read, Write, Compare, and Order Decimals:

To Read and Write decimals, remember a decimal point means *and*.

- Also, take note of the correct place of the last digit in the number.
- Look to see if there is a number to the left of the decimal; if so write it out. If there is no number to the left of the decimal, skip to next step.
- Write an and for the decimal point.
- Write out the number to the right of the decimal. Do not yet include the place value.
- Determine the place value of the last digit to the right of the decimal. Write the place value.

Example:

12.2
Three



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edths.'

To Order
from le

decimals

Example:

8.2, 8.25, 8.29, 8.35

To Compare decimals, line up the decimal points, start at the left and find the first place where the digits are different. Compare these digits to decide if they are less than, greater than, or equal to.

Example: $4.6 < 5.3$

Try This!

Reading and Writing decimals

Write the standard form. 3.8

Write as a decimal. *Seven and thirteen hundreds*

Ordering decimals

Order from least to greatest

3.4, 3.24, 3.6, 3.39

Comparing decimals

5.6
12.2



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