

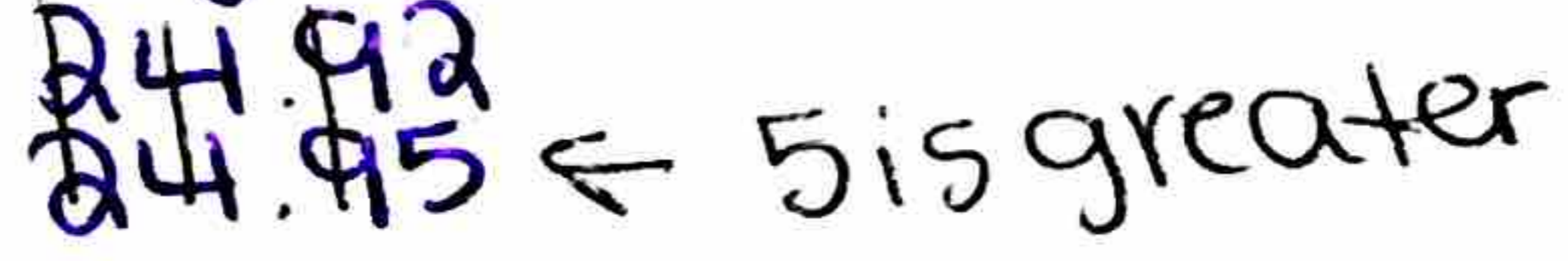
Decimal Notes

Comparing, Ordering, Rounding, & Estimating

Key Concepts: Use place value to compare decimals

To compare decimals using place value, line up the decimal and place values

Then compare and digits moving left to right

Example: $24.92 < 24.95$ 

$19.4 < 19.45$ 

Fill in gaps with zero so you have something to compare in each place value.

State the greatest number in each group.

$6.02 < 6.2$

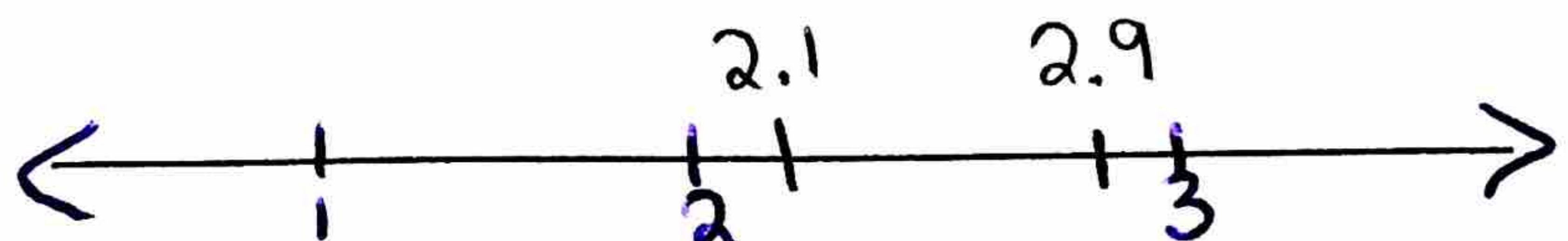
$7.398 > 7.378$

$0.092 < 0.192$

Key Concepts: Using a number line to compare

When looking at a number line, the number to the right are always

bigger than the number to the left.

Example:  $2.1 < 2.9$

Helpful Hints! Order greatest to least → $14.998, 14.98, 4.0999, 4.9, 14.09008$

• Fill in gaps with zeros

4.9, 14.98, 14.098, 14.09008, 4.0999

• Pretend you are dealing with money

Terminating & Repeating Decimals

Terminating: A terminating decimal is a decimal that ends. It's a decimal with a finite number of digits.

ex: 0.25

Repeating: A decimal number that has digits that repeat forever. Usually indicated by a line over the last digit or three dots.

ex: 0.333333...