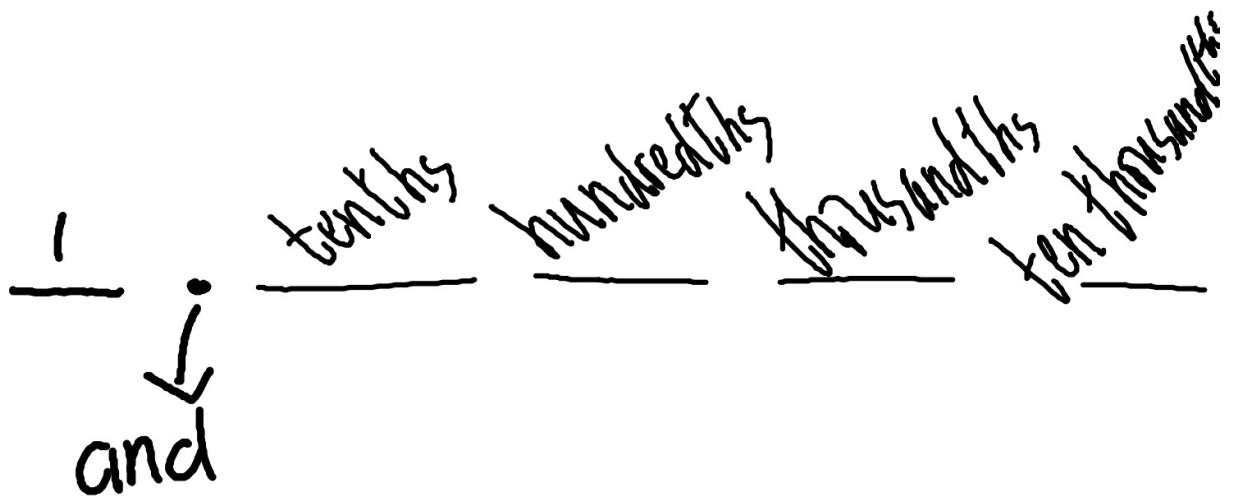


L31-35 TEST REVIEW

L31: Reading + Writing Decimals



371.2012

Place value?

three hundred seventy-one
and two thousand twelve
ten-thousandths

L32: Metric System

kilometer	hectometer	dekameter	meter	decimeter	centimeter	millimeter
1000	100	10	1	.1	.01	.001

Small \rightarrow big \div
big \rightarrow small \times

43 mm \rightarrow ? km

.000043 km

L33: Comparing + Rounding Decimals

0.1012, 0.12, 0.001, 0.281

least \rightarrow great

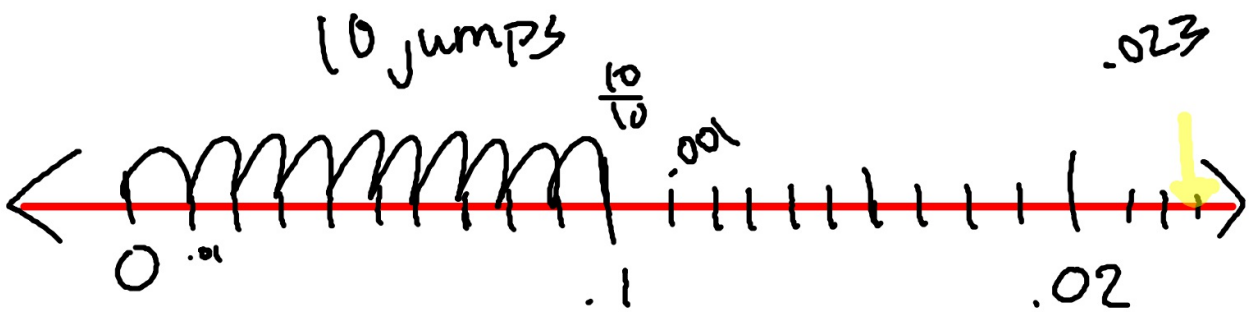
.1012
.1200
.0010
.2810

.001
.1012
.12
.281

.289712453
 ↑ ↑ ↑

.3 .2897
 .29

L34: Decimal #'s on # Line



$$\frac{1}{10} \text{ of } \frac{1}{10}$$

$$\frac{1}{10} \times \frac{1}{10} = \frac{1}{100}$$

$$\frac{1}{10} \text{ of } \frac{1}{100}$$

$$\frac{1}{10} \times \frac{1}{100} = \frac{1}{1000}$$

L35: +|-|x|÷ Decimals

+|-

$$12.25 - 0.127$$

- ★ Align decimal pts.
- ★ Add 0's as place holders
- ★ Bring down decimal
- ★ +/- as normal

$$\begin{array}{r} 12.250 \\ - 0.127 \\ \hline 12.123 \end{array}$$

x Decimals

$$\begin{array}{r} 2.25 \\ \times .1 \\ \hline 225 \end{array} \left. \vphantom{\begin{array}{r} 2.25 \\ \times .1 \\ \hline 225 \end{array}} \right\} 3 \quad \text{0.225}$$

- ★ Don't align decimal
- ★ Ignore decimal until end
- ★ x as normal
- ★ # of decimal places in factors equals # of decimal places in product

$$\left(\frac{3 \times 4}{5 \times 4} + 2 \frac{1 \times 5}{4 \times 5} \right) - \frac{1 \times 10}{2 \times 10}$$

$$\left(\frac{12}{20} + 2 \frac{5}{20} \right) - \frac{10}{20}$$

$$2 \frac{17}{20} - \frac{10}{20}$$

$$\left(2 \frac{7}{20} \right)$$

Shape
Operate
Simplify