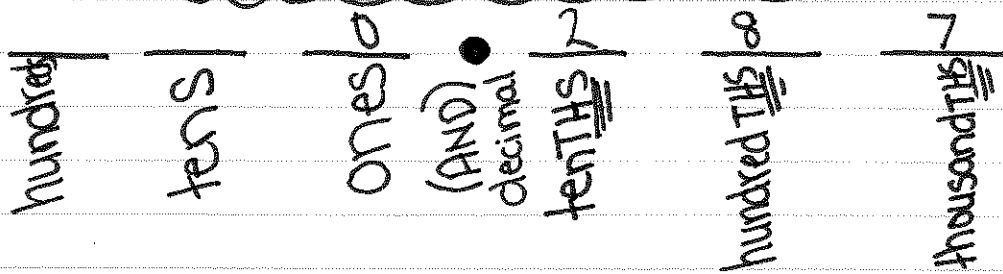


Decimal Place Value



Head/Say Decimals

- 1st → Say/Write the number
- 2nd → Say/Write the place value spot

0.287

"two hundred eighty - seven thousandths"

Example: 4.68

Word Form → four AND sixty-eight hundredths

Expanded → 4.68

$$\begin{array}{r} 4.00+ \\ .60+ \\ \hline 4.68 \end{array}$$

* Write each decimal as a fraction.

$$0.001 = \frac{1}{1,000}$$

$$0.05 = \frac{5}{100}$$

$$0.512 = \frac{512}{1,000}$$

$$0.309 = \frac{309}{1,000}$$

* Write each fraction as a decimal.

$$\frac{2}{1,000} = .\underline{0}\underline{0}\underline{2}$$

$$\frac{34}{100} = .\underline{3}\underline{4}$$

$$\frac{508}{1,000} = .\underline{5}\underline{0}\underline{8}$$

$$\frac{99}{1,000} = .\underline{0}\underline{9}\underline{9}$$

Decimal Place Value

0.657 → Standard

Six hundred fifty-seven thousandths → Word form

0.657

.600+
.050+
.007

$$(6 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (7 \times \frac{1}{1,000})$$

0.657

- 0.507

$$(5 \times \frac{1}{10}) + (0 \times \frac{1}{100}) + (7 \times \frac{1}{1,000}) = 0.507$$

- 0.76

$$(7 \times \frac{1}{10}) + (6 \times \frac{1}{100}) = 0.76$$

- 8.026

Word Form - eight AND twenty-six thousandths

Expanded Form - $8 + (0 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (6 \times \frac{1}{1,000})$

- 9.123

Word Form - nine AND one hundred twenty-three thousandths

Expanded Form - $9 + (1 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (3 \times \frac{1}{1,000})$