

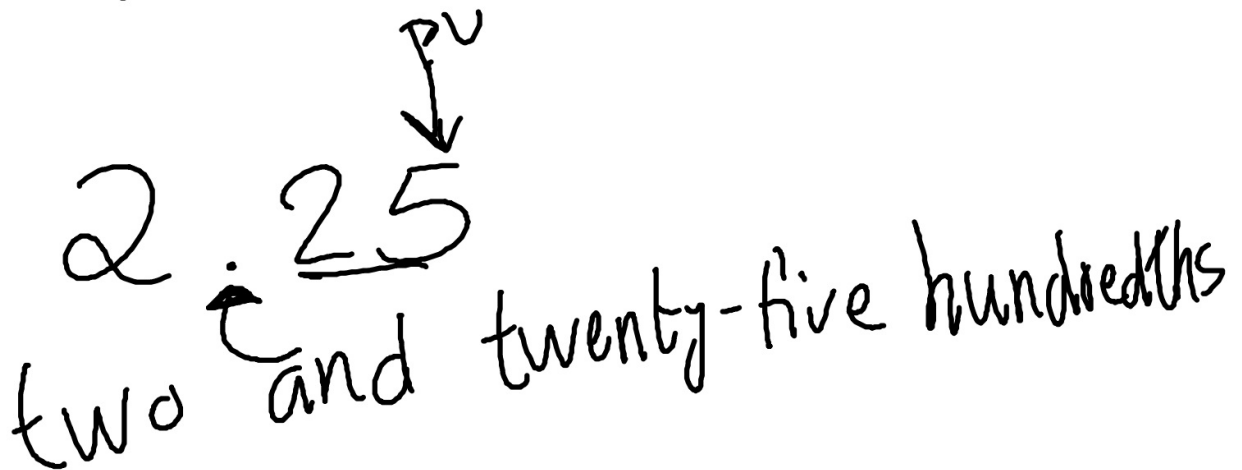
U12

09/25

DECIMALS

0. 10^{THS} 100^{THS} 1000^{THS} 10,000^{THS}

2 25
two and twenty-five hundredths



0.12578

twelve thousand, five hundred
seventy-eight hundred
thousandths...

$$2.8 \rightarrow 2 \frac{8}{10} \rightarrow 2 \frac{4}{5}$$

$$.07 \rightarrow \frac{7}{100}$$

$\frac{\text{digits}}{\text{place value}}$

, Reduce if
can...

$$.00007 \rightarrow \frac{7}{100,000}$$

$$3.54 \rightarrow 3 \frac{54}{100} \rightarrow 3 \frac{27}{50}$$

$$\frac{3}{8}$$

every fraction is also a division problem? $\overline{.3}$

$$\begin{array}{r} \overline{0.375} \\ 8 \overline{) 3.000} \\ \underline{24} \\ 60 \\ \underline{56} \\ 40 \end{array}$$

$$\begin{array}{r} \frac{1}{3} \rightarrow \overline{.3} \\ 3 \overline{) 1.000} \\ \underline{9} \\ 10 \\ \underline{9} \\ 10 \\ \underline{9} \\ 1 \end{array}$$

$2\frac{3}{4} \rightarrow \text{decimal}$

Improper
 $\frac{11}{4} \rightarrow 4 \overline{) 11.00}$

$4 \overline{) 3.00}$

2.75

2.75

Deci \rightarrow %

% \rightarrow Deci
 $\% \div 100$

Decimal $\times 100\%$ ✓
 \hookrightarrow move decimal
 $2x \rightarrow$

$.125 \times 100\%$
 12.5%

Sales Tax

% of cost

↓
% x cost

$$\begin{array}{r} .05 \\ \times 4185 \\ \hline 209.25 \\ + 16740 \\ \hline \$9.25 \end{array}$$

5% sales tax
on \$185 TV

$$5\% \times \$185 \\ .05 \times \$185$$

$$\begin{array}{l} \$3.786 \xrightarrow{\text{round to}} \\ \text{nearest cent} \\ \searrow \\ \$3.79 \end{array}$$

L12: Practice Set t

2, 4-8, 10-14, 21, 22, 23,
26, 27, 28