

Lesson 11 :Nov 17, 2022

Converting Percents (%) to Decimals
and Vice Versa

e.x. Convert to decimal :

50% $\frac{50}{100}$ $\frac{5}{10}$ 0.5	5% 0.05% 0.05 <hr style="width: 50%; margin: 0 auto;"/> $\frac{5}{100}$ 0.05
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step i Read the percent and change to fraction.

step ii: Cancel out zeros in top/bottom. move the decimal in numerator according to the number of zeros left in bottom.

ex.

Real Estate Tax

$$0.007\%$$

$$7\%$$

$$70\%$$

$$\frac{0.007}{100}$$

$$\frac{7}{100}$$

$$\frac{70}{100}$$

$$0.007$$

$$0.07$$

$$0.7$$

You do p 11.3

question # 11.1

Try decimal \rightarrow %
11.2

Converting Decimals to a %

e.x. you got a mark of

$$\frac{30}{40}$$

on your English Exam.

$$4 \overline{) 30.0} \\ \underline{28} \\ 20 \\ \underline{20} \\ 0$$

equivalent?
yes!

→ 0.75
→ 0.75 × 100
→ 75 %

step i
x decimal
by 100 and
add % sign.

short way ↑
cuz doesn't
show how equivalent.
it's

$$\frac{0.75 \times 100}{100} \\ \frac{0.75 \times 100}{100} \\ \frac{75}{100} \\ 75 \%$$

step i. x decimal
by a fraction
equally 1 (same value)
 $\frac{100}{100}$

step ii Rewrite
the bar and 100 as
percent %

Convert to %

0.12

$$\frac{12}{100}$$

12%

Read
Place
value

0.2%

20%

 0.2

$\frac{2}{10} \begin{matrix} \times 10 \\ \times 10 \end{matrix}$

$$\frac{20}{100} \quad 20\%$$

$$0.\overbrace{03} \\ 3\%$$

$$0.\overbrace{003} \\ 0.3\%$$

$$0.\overbrace{3} \\ 30\%$$

You finish
question 11.2
and pg 11.7 / 11.8
and quiz and handouts
for yesterday.