

PRACTICE

Name: Key

LESSON 1: COMPARING & ORDERING NUMBERS

Learning Goal 1: I can **convert** a fraction, mixed number, and percent to a decimal.

- Explain in your own words the word **convert**: To convert means to switch from 1 thing to a different thing.
- Give **your own** example of **converting**: Switching percents to decimals.
- Explain how you would **convert** the mixed number  $4\frac{2}{5}$  to a decimal: I would do 4 and  $2 \div 5$ , so 4.4
- Explain how you would **convert** the percent  $4.4\%$  to a decimal: I would do  $4.4 \div 100$ , so 0.044
- Explain how you would **convert** the mixed number  $4\frac{2}{5}\%$  to a decimal: I would do 4 and  $2 \div 5$ , then divide by 100, so 0.044

1st step

2nd step

**Convert** the following values to decimals. If necessary, round your answer to the 4<sup>th</sup> decimal place, the ten-thousandths place. (*This means you should not have more than 4 numbers after your decimal point!*)

1.  $\frac{7}{8} = \underline{0.875}$

2.  $-\frac{2}{3} = \underline{-0.66\bar{6}}$

3.  $38\% = \underline{0.38}$

4.  $66\frac{1}{5} = \underline{66.2}$

5.  $-1.75\% = \underline{-0.0175}$

6.  $3\frac{1}{2}\% = \underline{0.035}$   
 $\rightarrow 3.5\% \rightarrow$  2nd step

7.  $-2\frac{8}{9} = \underline{-2.8\bar{8}}$

8.  $\frac{15}{3} = \underline{5}$

9.  $120\% = \underline{1.20}$

10.  $-10\frac{3}{4}\% = \underline{-0.1075}$   
 $\rightarrow -10.75\% \rightarrow$  2nd step

**ARE YOU ABOUT READY FOR YOUR FIRST MASTERY TEST?!?!**

Try **converting** just a few more and make sure you can do these **without your notes!**

1.  $\frac{9}{10} = \underline{0.9}$

2.  $-\frac{2}{7} = \underline{-0.2857}$

3.  $13.2\% = \underline{0.132}$

4.  $12\frac{3}{8} = \underline{12.375}$

5.  $-150\% = \underline{-1.50}$

6.  $12\frac{3}{8}\% = \underline{0.12375}$

12.375% → 2<sup>nd</sup> step

7.  $1\frac{1}{8} = \underline{1.125}$

8.  $1\frac{1}{8}\% = \underline{0.01125}$

1.125% → 2<sup>nd</sup> step

9.  $-7\frac{1}{2} = \underline{-7.5}$

10.  $-7\frac{1}{2}\% = \underline{-0.075}$

-7.5% → 2<sup>nd</sup> step

**DO YOU THINK YOU'RE READY?**

Try to explain what **CONVERTING** means without looking at your notes!

**Converting** means switching from one  
thing to a different thing,  
like switching a mixed number  
to a decimal.

Once you are confident you know this, ask the teacher for the Mastery Test and show off your skills!