

LESSON 1: COMPARING & ORDERING NUMBERS

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

ESSENTIAL VOCABULARY:

WORD	DEFINITION	EXAMPLE	NON-EXAMPLE
CONVERT or CONVERTING	To convert , or converting , means _____ from one thing to a _____ thing.	Switching from.... Fractions to _____ Dollars to _____ Quarters to _____	Switching from... Fractions to _____ Dollars to _____

Part 1 – **Converting** Fractions and Mixed Numbers to Decimals

The fraction bar means _____, so to **convert** a fraction to a decimal we must

_____.

For example, $\frac{1}{4}$ is the same as $1 \frac{\quad}{4}$ and $1 \quad 4$.

Using our calculator, $\frac{1}{4} =$ _____

Also, $2\frac{1}{4}$ is the same as **2 and 1** 4 and **2 and 1** 4.

Using our calculator, $2\frac{1}{4} =$ _____

Therefore, $-3\frac{1}{4}$ is the same as **-3 and 1** 4 and **-3 and 1** 4.

Using our calculator, $-3\frac{1}{4} =$ _____

Let's try 4 examples:

1. $\frac{6}{5} =$ _____

2. $1\frac{2}{3} =$ _____

3. $-\frac{5}{8} =$ _____

4. $-4\frac{3}{4} =$ _____

Part 2 – **Converting** a Percent to a Decimal

Percent (or *por ciento* in Spanish), means “by _____.” So to remove the % sign and **convert** a percent to a decimal, you must _____ by _____.

For example, 3% is $3 \div 100 =$ _____ and

$$-15\% \text{ is } -15 \div 100 = \underline{\hspace{2cm}} .$$

Don't get confused when you see a decimal in a percent! You still must _____ by _____.

For example, 5.5% is $5.5 \div 100 =$ _____ and

$$-0.25\% \text{ is } -0.25 \div 100 = \underline{\hspace{2cm}} .$$

Let's try 4 examples:

1. $-10\% =$ _____ \div _____ $=$ _____

2. $12.5\% =$ _____ \div _____ $=$ _____

3. $200\% =$ _____ $=$ _____

4. $-375\% =$ _____ $=$ _____