

Name: _____

Date: _____

Aim: How can we review decimals, fractions, and percents (day 2)?

DO NOW:

Rita said that decimals, fractions, and percents are just different ways to represent the same value. Explain what Rita means. Justify your response.

Converting between Fractions, Decimals, and Percents

<p>Fractions → Decimals</p> <p>Divide the numerator by the denominator.</p> <p>a.) $\frac{1}{2}$</p> <p>b.) $\frac{3}{4}$</p> <p>c.) $\frac{7}{8}$</p>	<p>Decimals → Fractions</p> <p>Read it, Write it, Simplify</p> <p>a.) 0.67</p> <p>b.) 0.2</p> <p>c.) 2.0</p> <p>d.) 1.34</p>
<p>Decimals → Percents</p> <p>Move decimal two to the right</p> <p>a.) 0.67</p> <p>b.) 0.2</p> <p>c.) 2.0</p> <p>d.) 1.34</p>	<p>Percents → Decimals</p> <p>Move decimal two to the left</p> <p>a.) 35%</p> <p>b.) 45%</p> <p>c.) 132%</p> <p>d.) 0.5%</p>



Fractions → Percents

- Method 1: Change to a decimal, then to a percent
- Method 2: use a proportion $\frac{a}{b} = \frac{x}{100}$

a.) $\frac{1}{2}$

b.) $\frac{3}{4}$

c.) $\frac{7}{8}$

Percents → Fractions

Put $\frac{\%}{100}$ and simplify

a.) 50%

b.) 75%

c.) 175%

Complete the table below. Use the conversion methods to help you.

Fraction	Decimal	Percent
$\frac{1}{2}$		
	0.72	
$\frac{3}{8}$		
		35%
$\frac{1}{4}$		
		125%
	0.002	

Practice

1. Order the numbers from least to greatest. $\frac{9}{20}$, 42%, $\frac{2}{5}$, 4%, 0.5
2. Change 4% to a simplified fraction.
3. Change 29% to a decimal
4. Change 0.05 to a percent
5. Change $\frac{3}{15}$ to a percent
6. John got 32 questions correct on his 54 question science test. What grade did John receive on the test?
7. Alex got 4 questions incorrect on her 16 question quiz. What grade did Alex give?



_____, _____, and _____ can all be converted to one another. They are all representations of the same value.

