Name _____ Date _____

Decimal and Fraction Quiz Review

Convert Decimals to Fractions:

Directions: Write each decimal as a fraction or mixed number in simplest form. Use your place value chart and hundredths grid as models.

Ones	Tenths	Hundredths	Thousandths
	●		

1.) Step 1: 0.85 = ____ ; 0.85 means _____ _____ → Identify the place value of the last decimal place; write as a fraction.

÷ __

Step 2: _____ **=** _____ →Simplify. Divide the numerator and denominator by the GCF _____.

÷ __

Step 3: So in simplest form, 0.85 is _____ → Write your final answer in simplest form.

Ones	Tenths	Hundredths	Thousandths
	●		

2.) Step 1: 0.04 = ____ ; 0.04 means _____ _____ → Identify the place value of the last decimal place; write as a fraction.

÷ __

Step 2: _____ **=** _____ →Simplify. Divide the numerator and denominator by the GCF _____.

÷ __

Step 3: So in simplest form, 0.04 is _____ → Write your final answer in simplest form.

Ones	Tenths	Hundredths	Thousandths
	•		

3.) Step 1: 0.55 = ____ ; 0.55 means _____ _____ → Identify the place value of the last decimal place; write as a fraction.

÷ __

Step 2: _____ **=** _____ →Simplify. Divide the numerator and denominator by the GCF _____.

÷ __

Step 3: So in simplest form, 0.55 is _____ → Write your final answer in simplest form.

Ones	Tenths	Hundredths	Thousandths
	•		

4.) Step 1: 0.3 = ____ ; 0.3 means _____ _____ → Identify the place value of the last decimal place; write as a fraction.

÷ __

Step 2: _____ **=** _____ →Simplify. Divide the numerator and denominator by the GCF _____.

÷ __

Step 3: So in simplest form, 0.3 is _____ → Write your final answer in simplest form.

Ones	Tenths	Hundredths	Thousandths
	•		

5.) Step 1: 0.2 = ____ ; 0.2 means _____ _____ → Identify the place value of the last decimal place; write as a fraction.

÷ __

Step 2: _____ **=** _____ →Simplify. Divide the numerator and denominator by the GCF _____.

÷ __

Step 3: So in simplest form, 0.2 is _____ → Write your final answer in simplest form.

Convert Fractions to Decimals:

6.) Write $\frac{1}{5}$ as a decimal using equivalent fractions:

$\frac{1}{5} = \frac{\quad}{10} = \frac{\quad}{100} = \frac{\quad}{1{,}000} = .\_\_\_$

Now, check your answer by dividing the numerator by the denominator:

$\frac{1}{5} = 1 \div 5 = .\_\_\_$

7.) Write $\frac{3}{8}$ as a decimal using equivalent fractions:

$\frac{3}{8} = \frac{\quad}{10} = \frac{\quad}{100} = \frac{\quad}{1{,}000} = .\_\_\_$

Now, check your answer by dividing the numerator by the denominator:

$\frac{3}{8} = 3 \div 8 = .\_\_\_$

8.) Write $\frac{24}{25}$ as a decimal using equivalent fractions:

$\frac{24}{25} = \frac{\quad}{10} = \frac{\quad}{100} = \frac{\quad}{1{,}000} = .\_\_\_$

Now, check your answer by dividing the numerator by the denominator:

$\frac{24}{25} = 24 \div 25 = .\_\_\_$

9.) Write $\frac{3}{4}$ as a decimal using equivalent fractions:

$\frac{3}{4} = \frac{\_\_}{10} = \frac{\_\_\_}{100} = \frac{\_\_\_\_}{1{,}000} = .\_\_\_$

Now, check your answer by dividing the numerator by the denominator:

$\frac{3}{4} = 3 \div 4 = .\_\_\_$

10.) Write $\frac{5}{20}$ as a decimal using equivalent fractions:

$\frac{5}{20} = \frac{\_\_}{10} = \frac{\_\_\_}{100} = \frac{\_\_\_\_}{1{,}000} = .\_\_\_$

Now, check your answer by dividing the numerator by the denominator:

$\frac{5}{20} = 5 \div 20 = .\_\_\_$