Name _____   Date _____

Writing Decimal and Fraction Equivalents

In this worksheet, we will practice writing decimal and fraction equivalents. Every fraction has an equivalent decimal and every decimal has an equivalent fraction. Below are examples for changing a fraction into a decimal and for changing a decimal into a fraction.

Fraction → Decimal ex: Write 4/20 as a decimal. First, set up the division problem: $20\sqrt{4.0}$ = .2 So, 4/20 = .2	Decimal → Fraction ex: Write .25 as a fraction in its most simplified form. First, write the decimal as its equivalent fraction: .25 = 25/100 Next, simplify the fraction by dividing it by the largest number that fits into both: 25 So, $\frac{25 \div 25}{100 \div 25}$ = $\frac{1}{4}$ So: .25 = 25/100 = 1/4

Exercise Questions:

1. Write 3/5 as a decimal.

_____

2. Write 3/4 as a decimal.

_____

3. Write 1/2/ as a decimal.

_____

4. Write 2/5/ as a decimal.

_____

5. Write .82 as a fraction in its most simplified form.

_____

6. Write .35 as a fraction in its most simplified form.

_____

7. Write .44 as a fraction in its most simplified form.

_____

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In this worksheet, we will practice writing decimal and fraction equivalents. Every fraction has an equivalent decimal and every decimal has an equivalent fraction. Below are examples for changing a fraction into a decimal and for changing a decimal into a fraction.

| Fraction → Decimal ex:
Write 4/20 as a decimal.

First, set up the division problem:

$20\sqrt{4.0}$ = .2

So, 4/20 = .2 | Decimal → Fraction ex:
Write .25 as a fraction in its most simplified form.

First, write the decimal as its equivalent fraction:
.25 = 25/100

Next, simplify the fraction by dividing it by the largest number that fits into both: 25

So, $\frac{25 \div 25}{100 \div 25} = \frac{1}{4}$ So: .25 = 25/100 = 1/4 |

Exercise Questions:

1. Write 3/5 as a decimal.

___.6_____

2. Write 3/4 as a decimal.

___.75_____

3. Write 1/2 as a decimal.

___.5_____

4. Write 2/5 as a decimal.

___.4_____

5. Write .82 as a fraction in its most simplified form.

___41/50_____

6. Write .35 as a fraction in its most simplified form.

___7/20_____

7. Write .44 as a fraction in its most simplified form.

___11/25_____

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