

Name : _____

CONVERTING FRACTIONS TO DECIMALS

Option 1: Divide



Follow these steps to convert $\frac{3}{4}$ to a decimal.

Step 1: Set up a division problem.
Divide the numerator by the denominator. You will need to include a decimal point.

Step 2: Use long division to solve.

Divide
Multiply
Subtract
Bring Down
Compare

Does the decimal value terminate or repeat?

Follow these steps to convert $\frac{6}{11}$ to a decimal.

Step 1: Set up a division problem.
Divide the numerator by the denominator. You will need to include a decimal point.

Step 2: Use long division to solve.

Divide
Multiply
Subtract
Bring Down
Compare

Does the decimal value terminate or repeat?

You Try: Convert the following fractions into decimals:

1) $\frac{7}{10}$

2) $\frac{1}{3}$

Option 2: Compatible Fractions

Follow these steps to convert $\frac{2}{5}$ to a decimal.

Step 1: Create an equivalent fraction with a denominator of 10 or 100.

Step 2: Write the fraction in decimal format.

You Try:

Follow these steps to convert $\frac{17}{25}$ to a decimal.

Step 1: Create an equivalent fraction with a denominator of 10 or 100.

Step 2: Write the fraction in decimal format.

CONVERTING DECIMALS TO FRACTIONS

Follow these steps to convert 0.12 to a fraction.

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| Step 1: Write the decimal number as the numerator of the fraction. | |
| Step 2: The place value becomes the denominator. | |
| Step 3: Simplify if possible. You can use the Ladder Method to identify the GCF! | |

You Try: Convert the following decimals to fractions:

1) 0.35

2) 0.13

3) 0.6