

Conversions Examples

From Percent to Decimal

Divide by 100 and remove the % sign.

Easy way: **move the decimal point 2 places to the left.**

75% = 0.75 (move the decimal point 2 places to the left and remove % sign)

From Decimal to Percent

Multiply by 100 and add % sign.

Easy way: **move the decimal point 2 places to the right.**

0.125 = 12.5% (move decimal point 2 places to the right and add the % sign)

From Fraction to Decimal

Divide the top number by the bottom number.

Example: 2/5

Divide 2 by 5: $2 \div 5 = 0.4$

Answer: $2/5 = 0.4$

From Decimal to Fraction:

0.75 into a fraction

Write decimal over fraction = **0.75/1**

Then multiply top and bottom by 10 for every number after the decimal point

$0.75 \times 100 / 1 \times 100 = 75/100$

Simplify the fraction = **$75/100 = \frac{3}{4}$**

From Fraction to Percentage:

Divide the top number by the bottom number, then multiply the result by 100 and add the % sign.

Example: 3/8

First divide 3 by 8: $3 \div 8 = 0.375$

Then multiply by 100 = $0.375 \times 100 = 37.5$

Add the % sign: 37.5%

From Percentage to Fraction:

First convert decimal (divide by 100), then use the steps for converting decimal to fractions (like above).

Example = 80%

Steps

Convert 80% to a decimal ($80/100$) = 0.8

Write down the decimal over the number 1 = 0.8/1

Multiply top and bottom by 10 for every number after the decimal point =

$0.8 \times 10 / 1 \times 10 = 8/10$

Simplify the Fraction = $8/10 = 4/5$