


# Percents to Decimals to Fractions

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## 1. To change a decimal to a percent:

- Move the decimal point 2 times to the right

$$.50 = .50 = 50\%$$


## 2. To change a percent to a decimal:

- Move the decimal 2 times to the left

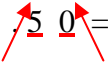
$$50\% = 50. = .50$$


## 3. To change a decimal to a fraction:

- Count out to the final place value of the decimal...that place value will become your denominator
- Place the numbers to the right of the decimal in the numerator
- Any number to the left of the decimal will be the whole number in the fraction
- Reduce if necessary

$$.50 = \frac{50}{100} = \frac{1}{2}$$

Tenths   Hundredths



## 4. To change a percent to a fraction:

- Put your percent over 100, drop the percent sign, and reduce

$$50\% = \frac{50}{100} = \frac{1}{2}$$

## 5. To change a fraction to a decimal:

- Divide the numerator by the denominator

$$\frac{1}{2} = 1 \div 2 = .5$$

## 6. To change a fraction to a percent:

- Change the fraction to a decimal by dividing
- Change the decimal to a percent by moving the decimal point 2 times to the right

$$\frac{1}{2} = 1 \div 2 = .5 = .50 = 50\%$$
