Addition

- > Find the decimal
- > Line up the decimals
- > Fill in empty spots with zero
- > Add
- > Bring down the decimal in your answer

EXAMPLE

10.5 + 11.74 10.50

Rewritten with decimals lined up...

$$10.50$$
 $+ 11.74$
 22.24

Subtraction

- > Find the decimal
- > Line up the decimals
- > Fill in empty spots with zero
- > Subtract
- > Bring down the decimal in your answer

12.7 - 9.23

Rewritten with decimals lined up...

Rules of Decimals

Multiplication

- > The number with most digits goes on top
- > Decimals do not have to line up
- > Multiply like normal
- > Count how many places in first number the decimal is moved over
- > Count how many places in 2nd number the decimal is moved over
- > This is how many places you move the decimal in your answer

1.201 < 3 DECIMAL PLACES X.25, < 2 DECIMAL PLACES 6005 24020 .30025 < 5 DECIMAL PLACES

Division

- > Divisor can not have a decimal
- > Move the divisor decimal so it is a whole number
- > Move the same amount of places in dividend
- > Place a decimal straight up where you write your answer, rewrite problem
- > Divide like normal

EXAMPLE

$$\begin{array}{r}
4.7 \\
3)14.1 \\
-12 \\
\hline
21 \\
-21 \\
0
\end{array}$$