# Adding and <br> Subtracting Decimals 

## Place Value

When adding and subtracting decimals, it is important to understand the place value of the numbers.

With $11+1.1$ the numbers both have 2 digits, however only one digit in each number has the same place value.

11 + 1.1 = 2.2 or 22

$$
11+1.1=12.1
$$

## Using 0's

Sometimes it is helpful to place a 0 where a digit is not given.

$$
\begin{array}{rr}
345.6 & 345.60 \\
+\quad 49.24 & +49.24 \\
\hline
\end{array}
$$

It is definitely more useful with subtraction.

$$
\begin{array}{r}
345.6 \\
-\quad 49.24 .60 \\
-\quad 49.24 \\
\hline
\end{array}
$$

## Subtracting



Start by subtracting the smallest value. In this example, this is
the hundredths column.
0-4 hundredths. This cannot be done therefore we exchange a tenth for 10 hundredths and regroup these. $10+0$
= 10 hundredths. 10 hundredths - 4 hundredths $=6$ hundredths.


Remember to place the answers within the correct columns in the answer section.

## Please remember the order of subtraction!

$$
\begin{array}{r}
345.60 \\
-\quad 49.24 \\
\hline
\end{array}
$$

$\qquad$
$0-4=\quad$ is not the same as $\quad 4-0=$
so please don't flip the numbers around... we need to exchange instead.

The decimal point also needs to be placed first (in the same column) then calculate the answer around it.

