Decimal Operations

Add Decimals:

To _____ decimals, write the numbers _____ and line up the decimal points. Then bring the decimal point _____ and add as you would with whole _____.

Add: 7.24 + 3.87   7.24

                                +_____

Add: 1.268 + 24.3   1.268

                                +_____

> _____ _____
>
> Insert zeros so that _____ numbers have the same number of _____ places.

Subtract Decimals:

Write the numbers _____ and line up the decimal points. Keep the _____ of the numbers the same as in the original problem. Bring _____ the decimal point. Subtract as you would with whole numbers.

Subtract: 4.41 – 3.25   4.41

                              -_____

> _____ _____
>
> Insert zeros so that both numbers have the same number of decimal places.

Subtract: 32.6 – 2.307   32.6

                          -_____

Word Problem Practice:

A pair of cargo pants cost $18.50. A pair of denim shorts costs $16.95. How much more do the cargo pants cost than the denim shorts?

Write out the problem-

Line up decimals-

Subtract-

Multiplying Decimals

To _____ two decimals, multiply as with a _____ number. Count the total of digits to the _____ of the decimal point in both factors. Write the _____ with the same number of _____ _____ places.
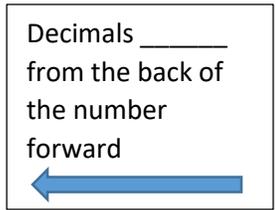
All whole numbers have a decimal _____ them.

7 =   36 =

Multiply:

0.48 x 0.52   0.48   ___ decimal places

                    x 0.52   ___ decimal places

Decimals _____ from the back of the number forward

When you multiply decimals sometimes you must _____ zeros to have the correct number of digits to the _____ of the decimal point.	Example: 0.31 x 0.18

Dividing Decimals

By Whole Number: Place the decimal point in the _____ above the decimal point in the dividend. Then divide as you would with whole numbers. Continue until there is _____ remainder.	Find: $5.7 \div 3$

By Decimal: When you have a decimal in your _____, move the decimal to the back of the number (to make a whole number). Then move the _____ amount of places in the dividend as well. Annex zeros in the _____ if they are needed to move the decimal.	Find: $0.112 \div 0.28$

Writing Zeros in the Quotient: Sometimes when you _____ a decimal by a whole number, you have to write _____ in the quotient before you can _____ to divide.	Find: $1.475 \div 25$