## Unit 16 Adding, Subtracting, and Multiplying Decimals

1. Addition: Line up the decimal points and add. Place a decimal point in the answer below the decimal in the question. If necessary, use zeros as placeholders.
A) $13.2+32.24$

B) $22.57+1.457+386.4$
022.570
001.457
$+\frac{386.400}{410.427}$
Note: Zeros have been used as placeholders.
2. Subtraction: Line up the decimal points and subtract. Place a decimal point in the answer below the decimal in the question. If necessary, use zeros as placeholders.
A) $.7-.3$
Add going up
B) $59.7-6.27$
C) 386.4-6.457

3. Multiplication
A. Line up the numbers to be multiplied so that their last digits are in a vertical line.
B. Multiply ignoring the decimal points.
C. Count the total number of decimal places from the right in the numbers being multiplied. This will be the total decimal places in the answer.

Example: $4.22 \times 3$


Example: . $322 \times .03$
D. Begin to the right of the last digit in the answer. Count to the left the total places determined above. Place the decimal point in the answer.
E. Having enough places may require placing zeros in the answer.


