Study the following.

When adding or subtracting decimals:

1. Write the numbers in a column, lining up the decimal points.
2. Write a decimal point in the answer area, lined up with the numbers in the problem.
3. Add or subtract the numbers.

Example: 2.1 + 1.7

$$\begin{array}{r} 2.1 \\ +\ 1.7 \\ \hline 3.8 \end{array}$$

decimal points lined up

If the place values in the decimal part are different, add zeros to make equivalent decimals, then add or subtract.

Example: 4.2 + .31

$$\begin{array}{r} 4.20 \\ +\ .31 \\ \hline 4.51 \end{array}$$

← added zero

Write in a column and add or subtract.

1. 3.4 + 1.7

2. 1.19 + 1.3

3. 8.7 – 1.05

4. 1.2 + .043 + .51

5. 10.6 – 7.3

6. .54 + .234 + 2.19

Study the following.

If there is no decimal point, write one in on the right side of the whole number.

Examples: 6 is the same as 6.

243 is the same as 243.

1200 is the same as 1200.

Add or subtract the following. Write in any needed decimal points.

1. 34 + 1.2

2. 7 + 3.45

3. 15.1 + 233.12 + 5

4. 4 - 1.3

5. 12 - 4.5

6. 10 - .05

7. 3.2 + 4 + 2.35

Study the following.

To multiply decimals:

Step 1: Write the numbers one above the other lining up the right most digits. It doesn't matter where the decimal points are.

Step 2: Multiply the same as with whole numbers.

```
  1.2 3
×   1.4
  4 9  2
1 2 3
1 7 2 2
```

Step 3. Count the total number of places the decimals Are from the right of both numbers.

1.23 Two places

1.4 plus One place

equals Three total places

Step 4. Count this many places from the right of the Answer and mark the decimal point there.

1.722

Example 2:

```
    3.2 4 1      Three places
×     5.1 2      Plus two places
  6 4 8 2
3 2 4 1 0
1 6 2 0 5 0 0
1 6.5 9 3 9 2    Equals 5 places
```

Multiply the following.

1. 3.2×7.1

2. $.23 \times .43$

3. $4.3 \times .12$

4. $.62 \times 1.3$

5. $1.24 \times .62$

6. $41.3 \times .015$

7. $30.2 \times .33$