

Dividing Decimals

When you divide with decimals, it is almost the same as normal division. **One of the differences is that you must always remember to place a decimal point in your answer. The decimal point is placed directly over the decimal in the box.** Look at the following example:

$$2 \overline{) 17.12} \\ \underline{34.24}$$

The decimal point goes directly over the decimal point under the box.

A possible problem when dividing decimals....if the divisor has a decimal, you must move it all the way to the right. Then you must be fair to the dividend, and move its decimal point an equal number of spaces.

Divisor $\overline{) \text{Dividend}}$

Look at the following Example:



Example:

$$\begin{array}{r} .0024 \overline{) 48.009624} \\ \uparrow\uparrow\uparrow\uparrow \quad \uparrow\uparrow\uparrow\uparrow \end{array}$$

becomes

$$0024 \overline{) 480096.24}$$

Becomes

$$\begin{array}{r} 20004.01 \\ 0024 \overline{) 480096.24} \end{array}$$

Both numbers had their decimal points moved 4 places to the right.

Work through the problems on the back. Make sure you follow these examples.

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1) $1.1 \overline{)5.5}$

2) $2.4 \overline{)8.4}$

3) $4.0 \overline{)5.0}$

4) $2.0 \overline{)15.5}$

5) $.04 \overline{)1.88}$

6) $8.8 \overline{).440}$

7. $2.32 \div 1.21$

8. $41 \div 2.5$

9. $12.4 \div 2$

10. $34.5 \div 13.7$