Name_____

1. Division of Decimals

Handling the decimal point in decimal division should be done before you begin to solve the problem. It may be helpful to think of decimal division in this manner: You cannot divide by decimals! You must first get rid of the decimal point in the divisor by moving it to the right hand side of the divisor, such as:
If .02 were the divisor the decimal would be moved 2 places to the right, making the divisor "2", a whole number.
If .037 were the divisor, the decimal would be move 3 places to the right, making the divisor "37".
A second step is necessary before solving a problem with a decimal divisor:
the decimal in the dividend must be moved to the right the same number of spaces as it was in the divisor; then the decimal is moved straight up into the answer space above the line.
Division then proceeds as in any whole number division.

$.02\overline{).048}$ becomes $02.\overline{).048}$ then $2\overline{)04.8}$ becomes $\begin{array}{r} 2.4 \\ 2\overline{)\,4.8} \end{array}$

Moved over 2 places in divisor

Moved over 2 places in dividend

Decimal is moved straight up and division done

1. Decimal Division

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	

1. $.03\overline{).06}$

2. $.5\overline{).01}$

3. $.6\overline{).018}$

4. $.9\overline{).36}$

5. $.22\overline{).044}$

6. $.8\overline{).024}$

7. $.007\overline{).021}$

8. $.84\overline{).0168}$

9. $.7\overline{).0014}$

10. $.09\overline{).027}$

11. $.06\overline{)1.26}$

12. $.04\overline{)12.08}$