

Dividing a Decimal by Decimal

When the divisor is not a whole number.

Steps:

- 1) Write the problem as a long division problem. The first number goes on the inside.
- 2) Move the divisor's decimal to the right until you get a whole number.
- 3) Move the decimal on the inside the same number of places.
- 4) Divide normally
- 5) Stop when there is a terminating decimal or repeating decimal.

<p>A) $4.16 \div 3.2$</p> $\begin{array}{r} 3 \overline{) 4.16} \\ \underline{32} \\ 96 \\ \underline{96} \\ 0 \end{array}$	<p>B) $7.74 \div .43$</p> $\begin{array}{r} 43 \overline{) 7.74} \\ \underline{018} \\ 43 \overline{) 774} \\ \underline{43} \\ 344 \\ \underline{344} \\ 0 \end{array}$	<p>C) $2.23 \div .3$</p> <p>$2565 \div 1.35$</p> $\begin{array}{r} 07.433\overline{3} \\ 3 \overline{) 22.300} \\ \underline{21} \\ 13 \\ \underline{12} \\ 10 \\ \underline{9} \\ 10 \\ \underline{9} \\ 1 \end{array}$
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