

- When **dividing decimals by decimals** or **integers by decimals**, the decimal point is sometimes moved, depending on the numbers being divided by. If 13.5 is divided by 1.5, the decimal point will need to be moved over in the divisor and dividend. This will affect where the decimal point is in the quotient or answer. If 14 is divided by 2.5, the decimal point again will have to be moved over in the divisor and dividend to make 2.5 a whole number, 25, and 14 to become 140. The decimal point is then moved into the answer and the numbers are divided.

Example:

$$13.5 \div 1.5 \rightarrow 1.5 \overline{)13.5} \rightarrow 15 \overline{)135} \leftarrow \text{decimal moved 1 place}$$

$$\begin{array}{r} 9. \\ 15 \overline{)135} \\ \underline{135} \\ 0 \end{array}$$

- D
i
a



PREVIEW

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Try This!

Add the following:

$1.59 + .002 = \underline{\hspace{2cm}}$

$26.389 + 1.74 = \underline{\hspace{2cm}}$

$.099 + 6.03 = \underline{\hspace{2cm}}$

Subtract the following:

$14.005 - 6.7 = \underline{\hspace{2cm}}$

3.72

$.095$

Div

16.7

3.9

240

4.2

$40.95 \div 9.1 = \underline{\hspace{2cm}}$

$255 \div 5.1 = \underline{\hspace{2cm}}$

$244 \div 30.5 = \underline{\hspace{2cm}}$

Solve for x:

$x + 1.2 = 14.5 \underline{\hspace{2cm}}$

$x - 22.65 = 5.07 \underline{\hspace{2cm}}$

$\$3.99x = \$59.85 \underline{\hspace{2cm}}$

$4.099 \div x = 59.85 \underline{\hspace{2cm}}$



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