

Steps to dividing fractions	EXAMPLE	YOU DO:	YOU DO:
	$1\frac{1}{3} \div \frac{1}{2}$	$2 \div \frac{2}{3}$	$1\frac{5}{6} \div \frac{7}{9}$
Step 1: Convert mixed numbers into improper fractions	$1\frac{1}{3} = \frac{4}{3}$		
Step 2: Find a common denominator and convert each fraction to its equivalent value	$\frac{4}{3} = \frac{8}{6}$ $\frac{1}{2} = \frac{3}{6}$		
Step 3: Since the denominators are now the same, we can just divide the numerators	$\frac{8}{6} \div \frac{3}{6} = \frac{8}{3}$		
Step 4: Simplify the fractions	$\frac{8}{3} = 2\frac{2}{3}$		
Steps to adding decimals	EXAMPLE	YOU DO:	YOU DO:
	$125.94 + 16.3$	$11 + 1.2$	$12.8 + 0.55$
Stack the numbers with the decimals lining up	$\begin{array}{r} 125.94 \\ + 16.3 \\ \hline \end{array}$		
Add zeros as placeholders if there are not enough numbers before or after the decimals	$\begin{array}{r} 125.94 \\ + 16.30 \\ \hline \end{array}$		
Right to left, add each column and bring down the decimal directly below the others	$\begin{array}{r} 125.94 \\ + 16.30 \\ \hline 142.24 \end{array}$		

Steps to subtracting decimals	EXAMPLE	YOU DO:	YOU DO:
	$297.5 - 121$	$29.3 - 1.2$	$51.55 - 11.5$
Stack the numbers with the decimals lining up	$\begin{array}{r} 297.5 \\ - 121 \\ \hline \end{array}$		
Add placeholder zeros	$\begin{array}{r} 297.5 \\ - 121.0 \\ \hline \end{array}$		
Right to left, subtract each column, borrowing if needed and bring down the decimal directly below the others	$\begin{array}{r} 297.5 \\ - 121.0 \\ \hline 176.5 \end{array}$		

Steps to multiplying decimals	EXAMPLE	YOU DO:	YOU DO:
	5×0.14	0.1×0.16	60×1.1
Write the problem vertically	$\begin{array}{r} 0.14 \\ \times 5 \\ \hline \end{array}$		
Ignore the decimal points and multiply	$\begin{array}{r} 0.14 \\ \times 5 \\ \hline 070 \end{array}$		
Place the decimal point in the answer by counting how many places the decimal point has moved.	$\begin{array}{r} 0.14 \\ \times 5 \\ \hline 0.70 \end{array}$		

Steps to dividing decimals by whole numbers	EXAMPLE	YOU DO:	YOU DO:
Set up the problem normally and divide	$\begin{array}{r} 2.04 \\ 5 \overline{)10.20} \\ \underline{-10} \\ 020 \\ \underline{-20} \\ 0 \end{array}$	$78.96 \div 2$	$70.95 \div 5$
Put the decimal point in the quotient (the answer) directly above the decimal point in the dividend (the number being divided)	$\begin{array}{r} 2.04 \\ 5 \overline{)10.20} \end{array}$		

Steps to dividing decimals by decimals	EXAMPLE	YOU DO:	YOU DO:
If the problem is written across, copy it so that the FIRST number is inside the division sign.	$0.5 \overline{)0.25}$	$7.2 \div 0.2$	$0.3633 \div 0.06$
<p>Move the decimal point of the number on the outside of the division sign all the way to the right so that it becomes a whole number.</p> <p>Move the decimal point on the inside number the SAME number of places to the right as you did on the outside</p>	$5 \overline{)25}$		

<p>number. Add 0s if you need to move beyond the end of the number.</p>			
<p>Put the decimal point for your answer DIRECTLY ABOVE the one in your inside number.</p>	$0.5 \overline{)0.25}$		
<p>Divide the same way you do with whole numbers. After the decimal point, answer with a 0 any time a number is too small to be divided.</p>	$\begin{array}{r} 0.5 \\ 05 \overline{)02.5} \\ \underline{-25} \\ 0 \end{array}$		