MULTIPLYING FRACTIONS

HELPFUL EXAMPLES	
A. $\frac{1}{4} \times 12 = 12 \div 4 = 3$	IF THE NUMERATOR (TOP NUMBER) IS ONE YOU CAN DIVIDE THE WHOLE NUMBER (12) BY THE DENOMINATOR (BOTTOM NUMBER).
$B. \frac{3}{5} \times \frac{3}{4} = \frac{3}{5} \times \frac{3}{4} = \frac{9}{20}$	A SIMPLE WAY TO MULTIPLY FRACTIONS IS TO MULTIPLY STRAIGHT ACROSS. MULTIPLY THE TWO NUMERATORS AND DENOMINATORS.
$C. \frac{2}{9} \times 18 = \frac{2}{9} \times \frac{18}{1} = \frac{36}{9}$	BEFORE MULTIPLYING STRAIGHT ACROSS YOU NEED TO CHANGE THE 18 INTO A FRACTION. DO YOU SEE HOW WE PUT THE 18 OVER 1? 18 = $\frac{18}{1}$.
$\begin{array}{c} \text{ON THIS PROBLEM YOU END UP} \\ \text{WITH AN IMPROPER FRACTION.} \\ \text{IT NEEDS TO BE SIMPLIFIED.} \end{array} \begin{array}{c} 36 \\ 9 \\ \div \end{array}$	$\frac{9}{9} = \frac{4}{1} = 4$

NOW YOUR TURN. USE THE EXAMPLES ABOVE TO HELP SOLVE THESE PROBLEMS. DON'T FORGET TO SIMPLIFY.



MATHCRUSH.COM