

# Student Worksheet 2

## TI-15 Explorer™: Fractions

W2

Name: \_\_\_\_\_

1. Complete this table and look for a method that will help you get to the answer without either a diagram or a calculator (if you know your tables!)

First fraction	Second fraction	Answer to first × second	Simplified fraction if possible
$\frac{1}{3}$	$\frac{3}{4}$		
$\frac{1}{4}$	$\frac{2}{3}$		
$\frac{2}{3}$	$\frac{1}{5}$		
$\frac{1}{5}$	$\frac{2}{3}$		

Did you notice that a quick way to do this is to simply multiply the numerators (top lines) and multiply the denominators (bottom lines). Sometimes the fraction can be written in a simpler form.

2. Predict the answers to the following questions and check on the calculator. Remember some may be able to be simplified.

i)  $\frac{3}{4} \times \frac{1}{5} =$  \_\_\_\_\_

ii)  $\frac{2}{3} \times \frac{5}{8} =$  \_\_\_\_\_

iii)  $\frac{3}{8} \times \frac{4}{5} =$  \_\_\_\_\_

iv)  $\frac{3}{4} \times 8 =$  \_\_\_\_\_

(Hint: remember 8 is  $\frac{8}{1}$ )

v)  $\left(\frac{2}{3}\right)^2 =$  \_\_\_\_\_