

## Lesson 5.2C ~ Multiplying Fractions

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

**For each problem, find the simplified fraction that works for each letter in the set.**

1.  $r \times \frac{2}{5} = s$ ,  $t \times \frac{1}{3} = s$ ,  $u \times \frac{4}{5} = t$ ,  $u \times \frac{5}{8} = \frac{5}{16}$

$r =$  \_\_\_\_\_       $s =$  \_\_\_\_\_       $t =$  \_\_\_\_\_       $u =$  \_\_\_\_\_

2.  $b \times \frac{3}{4} = \frac{1}{4}$ ,  $c \times \frac{1}{2} = b$ ,  $c \times \frac{3}{5} = d$ ,  $d \times \frac{5}{6} = e$

$b =$  \_\_\_\_\_       $c =$  \_\_\_\_\_       $d =$  \_\_\_\_\_       $e =$  \_\_\_\_\_

3.  $\frac{1}{4} \times j = \frac{1}{8}$ ,  $j \times \frac{1}{2} = k$ ,  $l \times \frac{5}{8} = k$ ,  $m \times l = \frac{4}{15}$

$j =$  \_\_\_\_\_       $k =$  \_\_\_\_\_       $l =$  \_\_\_\_\_       $m =$  \_\_\_\_\_

4.  $w \times \frac{5}{6} = v$ ,  $x \times \frac{9}{10} = w$ ,  $y \times \frac{2}{3} = x$ ,  $y \times \frac{6}{7} = \frac{1}{7}$

$v =$  \_\_\_\_\_       $w =$  \_\_\_\_\_       $x =$  \_\_\_\_\_       $y =$  \_\_\_\_\_