DIVIDING FRACTIONS

$$\frac{5}{7} \Rightarrow \frac{7}{5}$$

To find the reciprocal, flip the fraction. A fraction times its reciprocal always = 1

RECIPROCAL

$$\frac{3}{8} \Rightarrow \frac{8}{3}$$

REWRITING

$\frac{5}{7}$	$\div$	$\frac{1}{3}$
KEEP	SWITCH	FLIP
$\frac{5}{7}$	$\cdot$ (multiply)	$\frac{3}{1}$

DIVIDING FRACTIONS IS THE SAME AS __multiplying__ BY THE __reciprocal__ OF THE DIVISOR

$$\frac{2}{5} \div \frac{8}{9} \qquad \frac{2}{5} \cdot \frac{9}{8}$$

$$\frac{8}{5} \cdot \frac{9}{84} = \frac{9}{20}$$

$$\frac{1}{4} \div \frac{2}{7}$$

STEP 1: REWRITE AS MULTIPLICATION

$$\frac{1}{4} \cdot \frac{7}{2}$$

STEP 2: MULTIPLY (cross-cancel first)

$$\frac{1}{4} \cdot \frac{7}{2} = \frac{7}{8}$$

STEP 3: SIMPLIFY If needed

$$\frac{7}{8}$$