

FRACTIONS – Dividing: **Keep Change Flip**

EXAMPLE 1

STEP 1

$$\begin{array}{c} \text{K} \quad \text{C} \quad \text{F} \\ \frac{1}{2} \div \frac{5}{3} = \frac{1}{2} \times \frac{3}{5} \end{array}$$

Can you
cross divide
any numbers?

STEP 2

You CANNOT divide
1 and 5
or
3 and 2
by the same number

STEP 3

$$\frac{1 \times 3}{2 \times 5} = \frac{3}{10}$$

EXAMPLE 2

STEP 1

$$\begin{array}{c} \text{K} \quad \text{C} \quad \text{F} \\ \frac{2}{5} \div \frac{4}{10} = \frac{2}{5} \times \frac{10}{4} \end{array}$$

Can you
cross divide
any numbers?

STEP 2

$$\frac{2 \div 2}{5 \div 5} \times \frac{10 \div 5}{4 \div 2}$$

STEP 3

$$\frac{1}{1} \times \frac{2}{2} = \frac{1 \times 2}{1 \times 2} = \frac{2}{2} = 1$$

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STEP 1

K C F

$$\frac{\boxed{}}{\boxed{}} \div \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}} \times \frac{\boxed{}}{\boxed{}}$$

Can you
cross divide
any numbers?

YES go to **STEP 2**

NO go to **STEP 3**

STEP 2

$$\begin{array}{ccc} \boxed{} \div \boxed{} & & \boxed{} \div \boxed{} \\ \swarrow \times \searrow & & \swarrow \times \searrow \\ \frac{\boxed{}}{\boxed{}} & \times & \frac{\boxed{}}{\boxed{}} \\ \swarrow \times \searrow & & \swarrow \times \searrow \\ \boxed{} \div \boxed{} & & \boxed{} \div \boxed{} \end{array} = \frac{\boxed{}}{\boxed{}} \times \frac{\boxed{}}{\boxed{}}$$

STEP 3

$$\frac{\boxed{ \times }}{\boxed{ \times }} = \frac{\boxed{}}{\boxed{}}$$