

Dividing Fractions and Mixed Numbers

KCF: Keep, Change, Flip

Step 1: Write mixed Number as an improper Fraction.

$$\frac{2}{3} \div 2\frac{1}{3}$$

K C F

$$2\frac{1}{3} = 2 \cdot 3 + 1 \rightarrow \frac{7}{3}$$

6+1
7

Step 2: Find the Reciprocal of the 2nd Number; & Change the Sign.

↓

$$\frac{2}{3} \div \frac{7}{3} \rightarrow \frac{2}{3} \times \frac{3}{7}$$

K C F

Step 3: Multiply the Fractions

$$\frac{2}{3} \times \frac{3}{7} = \frac{6}{21}$$

Step 4: Simplify; Find a GCF

$$\frac{6 \div 3}{21 \div 3} = \frac{2}{7}$$

$$\begin{array}{r} 6 \\ 2 \overline{) 6} \\ \underline{2} \\ 3 \end{array} \quad \begin{array}{r} 21 \\ 3 \overline{) 21} \\ \underline{3} \\ 7 \end{array}$$