FCTG

Dividing mixed number

* Rule: Rewrite, Keep, Change, Flip!

   ❖ Step 1: Rewrite each _____ as an _____.

   ❖ Step 2: Keep the _____ fraction using improper fractions.

   ❖ Step 3: Change the _____ to _____.

   ❖ Step 4: _____ the second fraction into it _____.

   ❖ Step 5: Multiply across; that is, ——————————————. Now,

      you might get an _____ fraction.

   ❖ Step 6: _____ the answer in simplest form if possible.

Example: Solve $1\frac{3}{4} \div 2\frac{4}{5}$.

   ❖ Step 1: Rewrite $\_\frac{\Box\Box}{\Box}\_$ = $\_\frac{\Box}{\Box}\_$ and

      $\cdot\frac{\Box\Box}{\Box}\_$ = $\_\frac{\Box}{\Box}\_$.

   ❖ Step 2: Keep $\frac{\Box}{\Box}$.

   ❖ Step 3: Change $\cdot\frac{\Box}{\Box}\_$ to $\frac{\Box}{\Box}$.

   ❖ Step 4: Flip $\frac{\Box}{\Box}$ to $\frac{\Box}{\Box}$.

   ❖ Step 5: Multiply $\frac{\Box}{\Box}$ × $\frac{\Box}{\Box}$ = $\frac{\Box}{\Box}$.
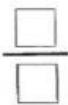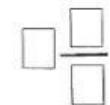
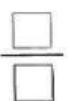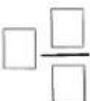   ❖ Step 6: Simplify $\frac{\Box}{\Box}$ = $\_\Box\frac{\Box}{\Box}$.

CTG

DO NOW!

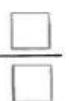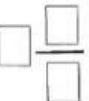. Dividing mixed number by mixed number.

(1) $4\frac{1}{4} \div 1\frac{1}{2}$

(2) $3\frac{3}{4} \div 2\frac{5}{6}$

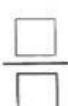(3) $6\frac{3}{7} \div 1\frac{1}{2}$

Solution: $\frac{\square}{\square}$ $\square\frac{\square}{\square}$

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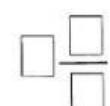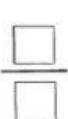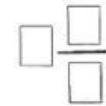
(4) $5\frac{2}{3} \div 4\frac{1}{5}$

(5) $6\frac{1}{2} \div 3\frac{1}{4}$

(6) $3\frac{1}{6} \div 1\frac{2}{9}$

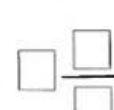Solution: $\frac{\square}{\square}$ $\square\frac{\square}{\square}$

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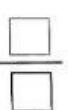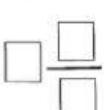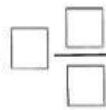
(7) $2\frac{3}{5} \div 3\frac{2}{5}$

(8) $4\frac{4}{7} \div 2\frac{4}{7}$

(9) $8\frac{5}{6} \div 3\frac{5}{6}$

Solution: $\frac{\square}{\square}$ $\square\frac{\square}{\square}$

Solution: $\frac{\square}{\square}$ $\square\frac{\square}{\square}$

Solution: $\frac{\square}{\square}$ $\square\frac{\square}{\square}$
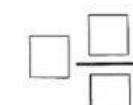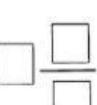
2. Dividing mixed number by whole number.

(1) $3\frac{3}{5} \div 2$

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

(3) $3\frac{6}{7} \div 6$

Solution: $\frac{\square}{\square}$ $\square\frac{\square}{\square}$

Solution: $\frac{\square}{\square}$ $\square\frac{\square}{\square}$

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