

Name/Nombre: _____ Date/Fecha: _____

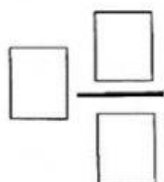
FCTG

Multiplying mixed numbers

* Method 1: Rewrite and then multiply across.

- ❖ Step 1: Convert the _____ to a _____.
- ❖ Step 2: Multiply across; that is, _____. Now, you get an _____ fraction.
- ❖ Step 3: Convert the _____ to a _____.
- ❖ Step 4: Simplify the answer in simplest form if possible.

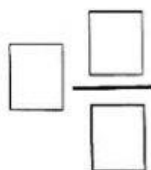
Example: Solve $1\frac{1}{2} \times 4\frac{4}{7}$. Write the answer in mixed number and in simplest form (if possible).



* Method 2: Rewrite and then cancel diagonally. Write the answer in simplest form (if possible).

- ❖ Step 1: Convert the _____ to a _____.
- ❖ Step 2: Cancel (simplify) _____.
- ❖ Step 3: Multiply across; that is, _____. Now, you might get an _____ fraction.
- ❖ Step 4: Convert the _____ to a _____.
- ❖ Step 5: _____ the answer in simplest form if possible.

Example: Solve $2\frac{2}{3} \times \frac{27}{8}$.



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DO NOW!

- 1) $3\frac{4}{9} \times 2\frac{1}{2} = \frac{\square}{\square}$
- 2) $3\frac{1}{3} \times 4\frac{1}{2} = \frac{\square}{\square}$
- 3) $2\frac{4}{5} \times 2\frac{1}{2} = \frac{\square}{\square}$
- 4) $3\frac{8}{9} \times 3\frac{1}{2} = \frac{\square}{\square}$
- 5) $3\frac{1}{2} \times 3\frac{2}{3} = \frac{\square}{\square}$
- 6) $2\frac{3}{5} \times 2\frac{1}{3} = \frac{\square}{\square}$
- 7) $2\frac{4}{5} \times 3\frac{1}{4} = \frac{\square}{\square}$
- 8) $3\frac{1}{9} \times 4\frac{1}{2} = \frac{\square}{\square}$
- 9) $3\frac{4}{7} \times 3\frac{4}{9} = \frac{\square}{\square}$
- 10) $4\frac{3}{7} \times 4\frac{3}{4} = \frac{\square}{\square}$
- 11) $3\frac{1}{4} \times 4\frac{1}{2} = \frac{\square}{\square}$
- 12) $3\frac{1}{3} \times 4\frac{1}{2} = \frac{\square}{\square}$
- 13) $4\frac{7}{9} \times 4\frac{1}{2} = \frac{\square}{\square}$
- 14) $4\frac{1}{8} \times 4\frac{1}{2} = \frac{\square}{\square}$
- 15) $4\frac{2}{5} \times 3\frac{1}{3} = \frac{\square}{\square}$