

# MULTIPLY FRACTIONS

## FRACTION BY A FRACTION

Step #1

Multiply the numerators.

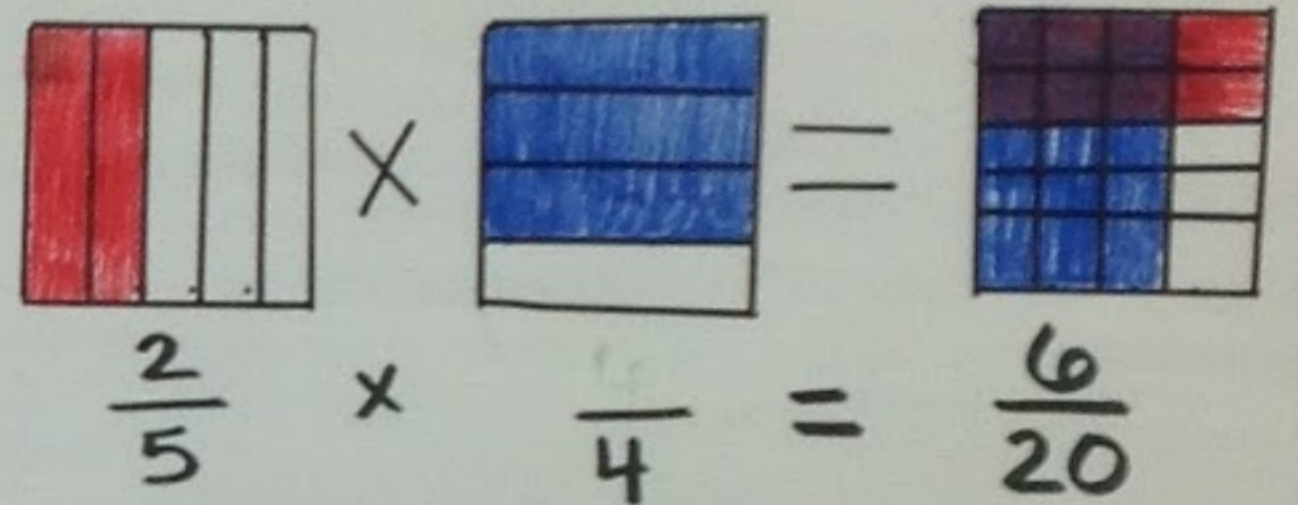
$$\frac{2}{5} \times \frac{3}{4} = \frac{6}{20} \div 2 = \frac{3}{10}$$

Step #2

Multiply the denominators.

Step #3

Simplify.



## FRACTION BY WHOLE #

Step #1

Rewrite the whole # as fraction

$$\frac{1}{4} \times 5 \rightarrow \frac{1}{4} \times \frac{5}{1} = \frac{5}{4} = 1\frac{1}{4}$$

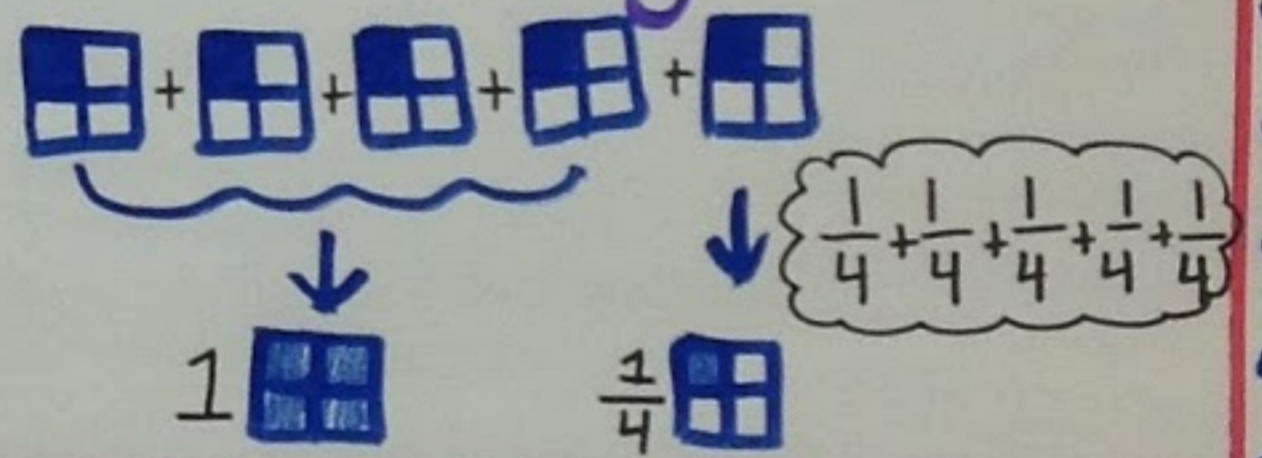
Step #2

Multiply the fractions.

Step #3

Simplify.

\*If needed, convert improper to mixed number.



## MIXED NUMBERS

Step #1

Convert mixed #s to improper fractions.

$$1\frac{1}{2} \times 2\frac{1}{5} \rightarrow \frac{3}{2} \times \frac{11}{5} = \frac{33}{10} = 3\frac{3}{10}$$

Step #2

Multiply the fractions.

Step #3

Convert back to mixed number.