

Multiplying Fractions and Mixed Numbers

* Remember to Always Convert Mixed Numbers into Fractions; Then in Your Answer Convert Back to Mixed Numbers! *

* To Convert Mixed Numbers to Fractions:

$$3\frac{4}{5}$$

1. Multiply the Whole Number by the Denominator, $3 \times 5 = 15$
2. Then Add the Numerator, $15 + 4 = 19$
3. Last Place Your Answer over the Original Denominator, $\frac{19}{5}$

* To Convert Improper Fractions to Mixed Numbers:

$$\begin{array}{r} 5 \overline{)19} \\ \underline{-15} \\ 4 \end{array}$$
$$\frac{19}{5} = 3\frac{4}{5}$$

- 1.) Divide
- 2.) Put your remainder over the denominator (if there is a Remainder!)

* Multiplying Mixed Numbers:

$$1\frac{1}{2} \times 2\frac{1}{5}$$

$$\frac{3}{2} \times \frac{11}{5}$$

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

$$\begin{array}{r} 10 \overline{)33} \\ \underline{30} \\ 3 \end{array}$$

Answer: $3\frac{3}{10}$

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