

Converting Fractions to Decimals

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

1. If the fraction is a mixed number, ignore the whole number.

③ $\frac{4}{5}$ ignore the whole number of 3

2. Turn the fraction into a division problem (Numerator \div Denominator)

$$\frac{4}{5} = 5 \overline{)4}$$

3. Place a decimal after the numerator.

$$5 \overline{)4.}$$

4. Add three zeros after the decimal.

$$5 \overline{)4.000}$$

5. Bring the decimal directly up.

$$5 \overline{)4.000}$$

6. Divide. Round to the nearest hundredth.

$$\begin{array}{r} 0.800 \\ 5 \overline{)4.000} \\ \underline{-40} \\ 00 \\ \underline{00} \\ 00 \\ \underline{-00} \\ 0 \end{array}$$

$$0.800 = 0.80$$

↑

7. Add the quotient to the whole number that was ignored in Step 1.

$$\begin{array}{r} 3 + 0.80 \\ \text{Line up decimals} \rightarrow \\ \hline 3.80 \end{array} = \boxed{3.80}$$