

Divide Fractions

① $\frac{4}{5} \div \frac{8}{15}$ Rewrite problem using the reciprocal of second fraction.

② $\frac{4}{5} \cdot \frac{15}{8}$ After using reciprocal, it changes the problem to multiplication

③ $\frac{4}{5} \cdot \frac{15}{8}$ Can diagonal numbers be cancelled (reduced)?

A) What number will divide into both 4 and 8? --- 4

$$\frac{\cancel{4}}{5} \cdot \frac{15}{\cancel{8}2}$$

B) What number will divide into both 5 and 15? 5

$$\frac{\cancel{1}}{\cancel{5}1} \cdot \frac{\cancel{15}3}{2}$$

④ Multiply numerator by numerator
Multiply denominator by denominator

$$\frac{1}{1} \cdot \frac{3}{2} = \frac{3}{2}$$

* Reduce

$$1\frac{1}{2}$$