

Dividing Fractions & Mixed Fractions

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Method:

① convert whole numbers and mixed numbers into improper fractions.

② Multiply by the RECIPROCAL

* A reciprocal is a fraction where the numerator and denominator change places. FLIPS!

Ex. $\frac{2}{3}$ and $\frac{3}{2}$ $\frac{5}{8}$ and $\frac{8}{5}$

③ Simplify and reduce (if possible)

Ex. Solve:

① $\frac{3}{8} \div \frac{1}{4} = \frac{3}{8} \times \frac{4}{1} = \frac{12}{8} \div 4 = \frac{3}{2} = 1\frac{1}{2}$

② $\frac{5}{7} \div \frac{3}{1} = \frac{5}{7} \times \frac{1}{3} = \frac{5}{21}$
over

③ $1\frac{2}{3} \div 3\frac{1}{4} = \frac{5}{3} \div \frac{13}{4} = \frac{5}{3} \times \frac{4}{13} = \frac{20}{39}$