

Multiplying Fractions

February 11-19 10:41 AM

Multiplying fractions is the easiest of all the fraction operations.

↳ No common denominator needed 😊

Method: ① Convert whole numbers or mixed numbers to improper fractions.

ex. $5 \rightarrow \frac{5}{1}$ $5\frac{1}{2} = \frac{11}{2}$

② multiply! $\frac{\text{num} \times \text{num}}{\text{den} \times \text{den}}$

③ Reduce + write as a mixed number.

Examples:

Ex. ① $\frac{2}{3} \times \frac{5}{12} = \frac{2 \times 5}{3 \times 12} = \frac{10}{36} \stackrel{\div 2}{=} \frac{5}{18}$

Ex. ② $\frac{5}{6} \times \frac{8}{1} = \frac{5 \times 8}{6 \times 1} = \frac{40}{6} \stackrel{-36}{=} 6 \frac{4}{6} \stackrel{\div 2}{=} 6 \frac{2}{3}$

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