

Order of Operations with Fractions

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Follow BEDMAS to solve:

B - Brackets

E - Exponents (skip)

D/M - Divide / Multiply (Left to Right)

A/S - Add / subtract (Left to Right)

Follow specific FRACTIONS rules:

⊕ Add / subtract - make a common denominator

⊗ Multiply - $\frac{N \times N}{D \times D}$

⊘ Divide - (Never divide!) → multiply by the reciprocal (flip 2nd)

Ex. Calculate:

$$\frac{1}{2} \times \frac{3}{4} + \frac{2}{3} \div 3$$

$$\frac{3}{8} + \frac{2}{3} \div \frac{3}{1}$$

$$\frac{3}{8} + \frac{2}{3} \times \frac{1}{3}$$

$$\frac{9 \times 3}{9 \times 8} + \frac{2 \times 8}{9 \times 8}$$

$$\text{LCM} = 72 \rightarrow \text{CD} = 72$$

$$\frac{27}{72} + \frac{16}{72} = \frac{27+16}{72} = \frac{43}{72} \text{ already in lowest terms}$$

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