Mixed Fractions

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Credit

Simple fractions

Basic Rules of Fraction

Harder fractions

Subtracting
$$\frac{2}{3} - \frac{1}{2} = \frac{1}{6}$$

Adding
$$\frac{1}{2} + \frac{1}{3} = \frac{5}{6}$$

Multiplication
$$\frac{1}{2} \times \frac{3}{5} = \frac{3}{10}$$

Division
Flip and change the sign
$$\frac{1}{2} \div \frac{4}{5}$$
$$\frac{1}{2} \times \frac{5}{4} = \frac{5}{8}$$

Subtracting
$$2\frac{1}{2} - 1\frac{1}{3}$$
Deal with whole numbers first
$$1 + \frac{1}{2} - \frac{1}{3} = 1\frac{1}{6}$$

Same idea for addition

Multiplication
Top-heavy first
$$1\frac{1}{2} \times 1\frac{1}{4} = \frac{3}{2} \times \frac{5}{4} = \frac{15}{8} = 1\frac{7}{8}$$

Division
Top-heavy first
$$1\frac{1}{2} \div 1\frac{2}{3} = \frac{3}{2} \div \frac{5}{3}$$
Flip and change the sign
$$\frac{3}{2} \times \frac{3}{5} = \frac{9}{10}$$