

Basic Fraction Rules

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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

$$\frac{1}{2} \div \frac{4}{5} = \frac{5}{8}$$

Simple fractions

Basic Rules of Fraction

Harder fractions



Subtracting

Deal with whole numbers first

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

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

Flip and change the sign

$$1\frac{1}{2} \div 1\frac{2}{3} = \frac{3}{2} \div \frac{5}{3} = \frac{9}{10}$$

Same idea for addition