

Fractions
Numerator

$$\frac{1}{2} \rightarrow \frac{2}{3} \rightarrow \frac{2 \div 2}{6 \div 2} = \frac{1}{3}$$

Simplify
use GCF

$$\boxed{\frac{1}{3}}$$

Denominator

$$\frac{1}{2} \cdot \frac{2}{3} = \frac{1}{3}$$

Cross Simplify GCF

ADD

$$\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$$

MULTI

$$\frac{4}{3} \cdot \frac{2}{5} = \frac{8}{15}$$

make Improper

$$\boxed{\frac{8}{15}}$$

ADD & Subtract fractions LCM

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

must have Common Denominator

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

$$\frac{1 \cdot 2}{3 \cdot 2} = \frac{2}{6} \text{ equivalent fractions}$$

$$\frac{1}{2} + \frac{3}{5} = 1 + \frac{3+5+8}{10} = 4 \frac{13}{10}$$

$$\frac{1}{2} = \frac{5}{10}$$

$$\frac{4 \cdot 2}{5 \cdot 2} = \frac{8}{10}$$

$$\frac{5}{10} + \frac{8}{10} =$$

$$1 + 3 + \frac{5+8}{10} = 5 \frac{3}{10}$$