Cross - Reduction

You can reduce a fraction at any time while solving a problem. When <u>multiplying</u>, you can also CROSS REDUCE. <u>This only works</u> when

MULTIPLYING FRACTIONS.

- Check if the whole fractions reduce
- Check if the fractions diagonally across from each other reduce.

$$\frac{2}{3}^{\div 2}_{\div 3} \times \frac{9}{10}^{\div 3}_{\div 2}$$

$$\frac{1}{1} \times \frac{3}{5}$$

$$\boxed{\frac{3}{5}}$$

$$1\frac{5}{8} \times \frac{2}{25}$$

$$\frac{13}{8}^{\div 2} \times \frac{2}{5}^{\div 2}$$

$$\frac{13}{4} \times \frac{1}{5}$$

$$\boxed{\frac{13}{20}}$$

$$\frac{16}{30}^{\div 4}_{\div 5} \times \frac{5}{12}^{\div 5}_{\div 4}$$

$$\frac{4}{6}^{\div 2}_{\div 2} \times \frac{1}{3}$$

$$\frac{2}{3} \times \frac{1}{3} = \boxed{\frac{2}{9}}$$

$$\left(\frac{3}{4}^{\times 3}_{\times 3} + \frac{5}{6}^{\times 2}_{\times 2}\right) \times \frac{3}{8}$$

$$\left(\frac{9}{12} + \frac{10}{12}\right) \times \frac{3}{8}$$

$$\frac{19}{12}^{\div 3} \times \frac{3}{8}^{\div 3}$$

$$\frac{19}{4} \times \frac{1}{8}$$

$$\boxed{\frac{19}{32}}$$

$$\left(\frac{3}{4}^{\times 2}_{\times 2} - \frac{1}{8}\right) \times \left(2^{\times 6}_{1\times 6} - \frac{5}{6}\right)$$

$$\left(\frac{6}{8} - \frac{1}{8}\right) \times \left(\frac{12}{6} - \frac{5}{6}\right)$$

$$\frac{5}{8} \times \frac{7}{6}$$

$$\boxed{\frac{35}{48}}$$