

Multiplying a/b

STEPS:

- Convert to improper fraction if mixed number.
- Find lcd.
- You can cross cancel.
- Multiply.
- Simplify.

Example:

$$\begin{array}{r} 2\frac{1}{4} \times \frac{2}{10} = \frac{9}{4} \times \frac{2}{10} = \\ \frac{2\cancel{9}}{4} \times \frac{\cancel{2}}{5} = \frac{9}{20} \end{array}$$

$\frac{9}{20}$

Subtracting a/b

STEPS:

- Find lcd.
- Subtract.
- Simplify if needed.

Example:

$$\begin{array}{r} 8\frac{2}{5} - 3\frac{5}{6} = 1\frac{16}{30} - 1\frac{25}{30} = \\ \frac{16}{30} - \frac{25}{30} = \\ \frac{1}{30} \end{array}$$

$\frac{1}{30}$

Adding a/b

STEPS:

- Write the problem.
- Find lcd.
- Add.
- Simplify if needed or convert.

Example:

$$\begin{array}{r} 3\frac{10}{5} + \frac{7}{12} = 1\frac{36}{60} + \frac{35}{60} = \\ 1\frac{71}{60} = 1\frac{11}{60} \end{array}$$

$1\frac{11}{60}$