

NOTE: See the resource called "[common denominators](#)" to learn more

$$\frac{1}{5} + \frac{7}{10}$$

$\frac{1}{5} + \frac{7}{10} \rightarrow \frac{\square}{10} + \frac{\square}{10}$

10 is the lowest common denominator.

$\frac{1}{5} = \frac{2}{10}$ (multiplied by 2)

$\frac{2}{10} + \frac{7}{10} \rightarrow \frac{9}{10}$

$$\frac{7}{9} - \frac{2}{5}$$

$\frac{7}{9} - \frac{2}{5} \rightarrow \frac{\square}{45} - \frac{\square}{45}$

$9 \times 5 = 45$

45 is a common denominator, its also the lowest.

$\frac{7}{9} = \frac{35}{45}$ (multiplied by 5)

$\frac{2}{5} = \frac{18}{45}$ (multiplied by 9)

$\frac{35}{45} - \frac{18}{45} \rightarrow \frac{17}{45}$

$$\frac{4}{9} \times \frac{3}{11}$$

$\frac{4}{9} \times \frac{3}{11} \rightarrow \frac{4 \times 3}{9 \times 11} \rightarrow \frac{12}{99}$

Simplify if possible

$\frac{12}{99} = \frac{4}{9}$ (divided by 3)

$$\frac{2}{15} \div \frac{5}{12}$$

'Flip' the second fraction and multiply

$\frac{2}{15} \div \frac{5}{12} \rightarrow \frac{2}{15} \times \frac{12}{5} \rightarrow \frac{24}{75}$

$\frac{24}{75} = \frac{8}{25}$ (divided by 3)



NOTE: See the example called "[multiplying and dividing fractions](#)" to learn more.