

Lesson 5.3 Subtracting Fractions with Unlike Denominators

$$\begin{array}{r} \frac{2}{3} \times \frac{7}{7} = \frac{14}{21} \\ - \frac{2}{7} \times \frac{3}{3} = - \frac{6}{21} \\ \hline \frac{8}{21} \end{array}$$

When subtracting fractions that have different denominators, rename fractions to have a common denominator. Then, subtract fractions, and write the difference in simplest form.

$$\begin{array}{r} \frac{5}{6} \times \frac{1}{1} = \frac{5}{6} \\ - \frac{2}{3} \times \frac{2}{2} = - \frac{4}{6} \\ \hline \frac{1}{6} \end{array}$$

Subtract. Write answers in simplest form.

	a	b	c	d	e
1.	$\begin{array}{r} \frac{3}{4} \\ - \frac{1}{2} \\ \hline \end{array}$	$\begin{array}{r} \frac{5}{6} \\ - \frac{1}{3} \\ \hline \end{array}$	$\begin{array}{r} \frac{9}{10} \\ - \frac{2}{5} \\ \hline \end{array}$	$\begin{array}{r} \frac{4}{7} \\ - \frac{1}{8} \\ \hline \end{array}$	$\begin{array}{r} \frac{5}{9} \\ - \frac{1}{3} \\ \hline \end{array}$

2.	$\begin{array}{r} \frac{2}{5} \\ - \frac{1}{9} \\ \hline \end{array}$	$\begin{array}{r} \frac{3}{5} \\ - \frac{2}{7} \\ \hline \end{array}$	$\begin{array}{r} \frac{2}{3} \\ - \frac{3}{8} \\ \hline \end{array}$	$\begin{array}{r} \frac{5}{6} \\ - \frac{1}{3} \\ \hline \end{array}$	$\begin{array}{r} \frac{3}{4} \\ - \frac{2}{9} \\ \hline \end{array}$
-----------	---	---	---	---	---

3.	$\begin{array}{r} \frac{7}{10} \\ - \frac{3}{6} \\ \hline \end{array}$	$\begin{array}{r} \frac{8}{9} \\ - \frac{1}{4} \\ \hline \end{array}$	$\begin{array}{r} \frac{7}{8} \\ - \frac{5}{12} \\ \hline \end{array}$	$\begin{array}{r} \frac{7}{10} \\ - \frac{1}{4} \\ \hline \end{array}$	$\begin{array}{r} \frac{4}{5} \\ - \frac{3}{7} \\ \hline \end{array}$
-----------	--	---	--	--	---