

Three Denominators

1. When adding three fractions, you still need a common denominator.

- All of the denominators need to "go into" to the common one, or all of the denominators need to be _____ of the common one.

Find a common denominator (c.d) that will work for adding these fractions.

Fractions	c.d.	Fractions	c.d.	Fractions	c.d.
a. $\frac{1}{2}$, $\frac{2}{5}$ and $\frac{1}{3}$		c. $\frac{5}{8}$, $\frac{3}{4}$ and $\frac{1}{2}$		e. $\frac{7}{10}$, $\frac{3}{4}$ and $\frac{1}{2}$	
b. $\frac{3}{4}$, $\frac{1}{12}$ and $\frac{1}{6}$		d. $\frac{1}{3}$, $\frac{2}{5}$ and $\frac{3}{4}$		f. $\frac{1}{5}$, $\frac{1}{6}$ and $\frac{7}{10}$	

2. Add the fractions in the above exercise. Give your answer in lowest terms.

- a. _____ b. _____
- c. _____ d. _____
- e. _____ f. _____

3. Add and subtract. First write equivalent fractions with a common denominator. Find your answers in the grid below - in lowest terms. COLOR the right answers with bright colors, and the wrong answers with a dark color.

a. $3\frac{1}{3} - 1\frac{2}{15} + 1\frac{2}{5}$

f. $7\frac{7}{8} - 1\frac{1}{2} - 2\frac{1}{4}$

b. $\frac{7}{10} + \frac{2}{25} + 1\frac{2}{5}$

g. $3\frac{7}{20} - 1\frac{1}{12} - 1\frac{1}{4}$

c. $6\frac{67}{100} - 1\frac{2}{5} + 1\frac{11}{20}$

h. $5\frac{1}{6} + 1\frac{3}{8} - 2\frac{1}{3}$

d. $3\frac{1}{2} - \frac{2}{3} - \frac{7}{16}$

i. $19\frac{7}{11} - 10\frac{1}{3} - 4\frac{1}{2}$

e. $\frac{13}{16} + 2\frac{1}{12} + 2\frac{3}{24}$

$5\frac{1}{48}$	$2\frac{7}{24}$	$2\frac{5}{48}$	$5\frac{3}{50}$	$1\frac{1}{60}$
$3\frac{11}{48}$	$6\frac{1}{8}$	$4\frac{5}{24}$	$3\frac{17}{24}$	$2\frac{1}{50}$
$3\frac{53}{66}$	$2\frac{19}{48}$	$2\frac{9}{50}$	$4\frac{1}{8}$	$3\frac{7}{8}$
$3\frac{1}{5}$	$3\frac{2}{15}$	$3\frac{3}{5}$	$5\frac{13}{66}$	$5\frac{4}{5}$
$4\frac{53}{66}$	$1\frac{29}{60}$	$4\frac{11}{50}$	$7\frac{39}{50}$	$6\frac{41}{50}$