

# Add/Subtract Three Mixed Numbers

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

- All of the denominators need to “go into” 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. |
|----|---|------|
| a. | $\frac{1}{2}, \frac{2}{5}$ and $\frac{1}{3}$  |      |
| b. | $\frac{3}{4}, \frac{1}{12}$ and $\frac{1}{6}$ |      |

|    | Fractions                                    | c.d. |
|----|--|------|
| c. | $\frac{5}{8}, \frac{3}{4}$ and $\frac{1}{2}$ |      |
| d. | $\frac{1}{3}, \frac{2}{5}$ and $\frac{3}{4}$ |      |

|    | Fractions                                     | c.d. |
|----|---|------|
| e. | $\frac{7}{10}, \frac{3}{4}$ and $\frac{1}{2}$ |      |
| 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.  $\frac{13}{16} + 2\frac{1}{12} + 2\frac{3}{24}$

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