

Add  $\frac{1}{4}$  and  $\frac{2}{6}$ . Will the answer be greater than 1?

Method 1

Least common

4, 8, 12  
6, 12

$$\frac{1}{4} \xrightarrow{\times 3} \frac{3}{12}$$

$$\frac{2}{6} \xrightarrow{\times 2} \frac{4}{12}$$

How?

$$\frac{3}{12} + \frac{4}{12} = \frac{7}{12}$$

Both fractions are less than  $\frac{1}{2}$ , so the answer of like fractions will not be greater than 1.

Method 2

$$\frac{1}{4} + \frac{2}{6} = \frac{6}{24} + \frac{8}{24}$$

$$\frac{1}{4} \xrightarrow{\times 6} \frac{6}{24} = \frac{14}{24} \div 2$$

$$\frac{2}{6} \xrightarrow{\times 4} \frac{8}{24} = \frac{7}{12}$$

How?

Multiply the denominators  
 $4 \times 6 = 24$

Write the fraction  
in the simplest form.

Add  $\frac{7}{10}$  and  $\frac{5}{6}$ . Will the answer be greater than 1?

Method 2

$$\frac{7}{10} + \frac{5}{6} = \frac{42}{60} + \frac{50}{60}$$

$$= \frac{92}{60} \div 2$$

=

$$10 \times 6 = 60 \quad \frac{7}{10} \xrightarrow{\times 6} \frac{42}{60}$$

$$\frac{5}{6} \xrightarrow{\times 10} \frac{50}{60}$$

Write this fraction in simplest form.

Then write answer as a mixed number

Subtract  $\frac{1}{3}$  from  $\frac{1}{2}$

$$\frac{1}{2} - \frac{1}{3}$$

6 is Common multiple of 2 and 3.

$$\frac{1}{2} \times \frac{3}{3} = \frac{3}{6}$$

$$\frac{1}{3} \times \frac{2}{2} = \frac{2}{6}$$

$$\frac{3}{6} - \frac{2}{6} = \frac{1}{6}$$

Subtract  $\frac{3}{8}$  from  $\frac{2}{3}$

$$\frac{2}{3} - \frac{3}{8} = \frac{16}{24} - \frac{9}{24}$$

Common multiple of 3 and 8  
is 3, 6, 9, 12, 15, 18, 21, 24  
24, 24

$$\frac{2}{3} \times \frac{8}{8} = \frac{16}{24}$$

$$\frac{3}{8} \times \frac{3}{3} = \frac{9}{24}$$

$$= \frac{10}{24}$$

Write the fraction  
in simplest form

Find value  $\frac{7}{10} - \frac{5}{6}$

$$\frac{7}{10} \times \frac{3}{3} = \frac{21}{30}$$

$$\frac{5}{6} \times \frac{5}{5} = \frac{25}{30}$$

$$\frac{7}{10} + \frac{25}{30}$$

Write the fractions  
as like fractions.

Common multiple of 6 and 10  
is 6, 12, 18, 24, 30  
10, 20, 30

$$\frac{30}{30} + \frac{7}{30} + \frac{25}{30}$$

Write mixed fractions as an  
improper fraction

Write answer in  
simplest form as a  
mixed number.