

Name: ..... Class: .....

Add up to 4 fractions with denominators of 10 and 100

**Add the following fractions. Simplify your answer.**

a.  $\frac{1}{10} + \frac{13}{100}$

d.  $\frac{1}{10} + \frac{17}{100} + \frac{3}{10}$

b.  $\frac{7}{10} + \frac{9}{10} + \frac{33}{100} + \frac{1}{10}$

e.  $\frac{6}{10} + \frac{1}{100} + \frac{27}{100} + \frac{13}{100}$

c.  $\frac{3}{10} + \frac{7}{100} + \frac{16}{100}$

f.  $\frac{63}{100} + \frac{14}{100} + \frac{9}{10} + \frac{11}{10}$

# Solution

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Add up to 4 fractions with denominators of 10 and 100

**Add the following fractions. Simplify your answer.**

a.  $\frac{1}{10} + \frac{13}{100}$  Start by finding the L.C.M

$$\begin{array}{r} \frac{1}{10} + \frac{13}{100} \\ \hline 10 + 13 \\ \hline 100 \end{array} = \frac{23}{100}$$

So,  $\frac{1}{10} + \frac{13}{100} = \frac{23}{100}$

d.  $\frac{1}{10} + \frac{17}{100} + \frac{3}{10}$  Start by finding the L.C.M

$$\begin{array}{r} \frac{1}{10} + \frac{17}{100} + \frac{3}{10} \\ \hline 10 + 17 + 30 \\ \hline 100 \end{array} = \frac{57}{100}$$

So,  $\frac{1}{10} + \frac{17}{100} + \frac{3}{10} = \frac{57}{100}$

b.  $\frac{7}{10} + \frac{9}{10} + \frac{33}{100} + \frac{1}{10}$

$$\begin{array}{r} \frac{7}{10} + \frac{9}{10} + \frac{33}{100} + \frac{1}{10} \\ \hline 70 + 90 + 33 + 10 \\ \hline 100 \end{array} = \frac{203}{100} = 2\frac{3}{100}$$

So,  $\frac{7}{10} + \frac{9}{10} + \frac{33}{100} + \frac{1}{10} = 2\frac{3}{100}$

e.  $\frac{6}{10} + \frac{1}{100} + \frac{27}{100} + \frac{13}{100}$

$$\begin{array}{r} \frac{6}{10} + \frac{1}{100} + \frac{27}{100} + \frac{13}{100} \\ \hline 60 + 1 + 27 + 13 \\ \hline 100 \end{array} = \frac{101}{100} = 1\frac{1}{100}$$

So,  $\frac{6}{10} + \frac{1}{100} + \frac{27}{100} + \frac{13}{100} = 1\frac{1}{100}$

c.  $\frac{3}{10} + \frac{7}{100} + \frac{16}{100}$

$$\begin{array}{r} \frac{3}{10} + \frac{7}{100} + \frac{16}{100} \\ \hline 30 + 7 + 16 \\ \hline 100 \end{array} = \frac{53}{100}$$

So,  $\frac{3}{10} + \frac{7}{100} + \frac{16}{100} = \frac{53}{100}$

f.  $\frac{63}{100} + \frac{14}{100} + \frac{9}{10} + \frac{11}{10}$

$$\begin{array}{r} \frac{63}{100} + \frac{14}{100} + \frac{9}{10} + \frac{11}{10} \\ \hline 63 + 14 + 90 + 110 \\ \hline 100 \end{array} = \frac{277}{100} = 2\frac{77}{100}$$

So,  $\frac{63}{100} + \frac{14}{100} + \frac{9}{10} + \frac{11}{10} = 2\frac{77}{100}$