

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

## Add and subtract 3 or more fractions with unlike denominators

Add and subtract the following. (Write your answer as fraction or as mixed number).

a.  $\frac{3}{14} + \frac{1}{7} + \frac{5}{7}$

i.  $\frac{5}{17} + \frac{3}{11} + \frac{4}{6}$

b.  $\frac{2}{12} + \frac{3}{8} + \frac{1}{3}$

j.  $\frac{5}{17} + \frac{2}{7} + \frac{1}{5}$

c.  $\frac{2}{5} + \frac{4}{10} + \frac{1}{5}$

k.  $\frac{1}{5} + \frac{3}{15} + \frac{3}{7}$

d.  $\frac{12}{16} - \frac{1}{2} - \frac{1}{8}$

l.  $\frac{10}{17} - \frac{1}{5} - \frac{3}{9}$

e.  $\frac{5}{8} - \frac{1}{6} - \frac{1}{4}$

m.  $\frac{2}{7} - \frac{3}{3} - \frac{1}{7}$

f.  $\frac{1}{2} + \frac{1}{16} + \frac{3}{4} + \frac{1}{2}$

n.  $\frac{1}{5} + \frac{1}{11} + \frac{4}{8} + \frac{1}{5}$

g.  $\frac{10}{12} - \frac{3}{5} - \frac{2}{4}$

o.  $\frac{11}{14} - \frac{5}{8} - \frac{3}{7}$

h.  $\frac{3}{7} - \frac{3}{9} - \frac{2}{6}$

p.  $\frac{2}{8} - \frac{4}{9} - \frac{7}{16}$

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Add and subtract 3 or more fractions with unlike denominators

Add and subtract the following. (Write your answer as fraction or as mixed number).

a.  $\frac{3}{14} + \frac{1}{7} + \frac{5}{7} = \frac{3 + 2 + 10}{14}$   
 $= \frac{15}{14} = 1\frac{1}{14}$

So,  $\frac{3}{14} + \frac{1}{7} + \frac{5}{7} = 1\frac{1}{14}$

d.  $\frac{12}{16} - \frac{1}{2} - \frac{1}{8}$   
 $= \frac{12 - 8 - 2}{16} = \frac{2}{16} = \frac{1}{8}$

So,  $\frac{12}{16} - \frac{1}{2} - \frac{1}{8} = \frac{1}{8}$

b.  $\frac{2}{12} + \frac{3}{8} + \frac{1}{3} = \frac{4 + 9 + 8}{24}$   
 $= \frac{21}{24} = \frac{7}{8}$

So,  $\frac{2}{12} + \frac{3}{8} + \frac{1}{3} = \frac{7}{8}$

e.  $\frac{5}{8} - \frac{1}{6} - \frac{1}{4} = \frac{15 - 4 - 6}{24}$   
 $= \frac{5}{24}$

So,  $\frac{5}{8} - \frac{1}{6} - \frac{1}{4} = \frac{5}{24}$

c.  $\frac{2}{5} + \frac{4}{10} + \frac{1}{5} = \frac{4 + 4 + 2}{10}$   
 $= \frac{10}{10} = 1$

So,  $\frac{2}{5} + \frac{4}{10} + \frac{1}{5} = 1$

f.  $\frac{1}{2} + \frac{1}{16} + \frac{3}{4} + \frac{1}{2} = \frac{8 + 1 + 12 + 8}{16}$   
 $= \frac{29}{16} = 1\frac{13}{16}$

So,  $\frac{1}{2} + \frac{1}{16} + \frac{3}{4} + \frac{1}{2} = 1\frac{13}{16}$