

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

Add and subtract mixed numbers with unlike dinominators

Add and subtract the following.

Example:  $9\frac{2}{3} + 7\frac{5}{7}$

Let's find the LCM and then add ( add the whole numbers seperately)

$$9\frac{2}{3} + 7\frac{5}{7} = (9 + 7)\frac{14}{21} + \frac{15}{21} = 16\frac{29}{21} = 21\overline{)29} = 16 + 1\frac{8}{21}$$

$$\text{So, } 9\frac{2}{3} + 7\frac{5}{7} = 17\frac{8}{21}$$



a.  $1\frac{6}{15} + 5\frac{1}{3}$

g.  $1\frac{2}{9} + 2\frac{4}{18}$

b.  $5\frac{1}{2} - 2\frac{5}{9}$

h.  $7\frac{19}{24} - 3\frac{2}{3}$

c.  $3\frac{3}{4} + 1\frac{1}{6}$

i.  $1\frac{2}{5} + 3\frac{2}{45}$

d.  $6\frac{10}{11} - 5\frac{1}{3}$

j.  $4\frac{1}{24} - 3\frac{1}{4}$

e.  $10\frac{1}{2} + 6\frac{1}{4}$

k.  $5\frac{1}{4} + 3\frac{5}{8}$

f.  $21\frac{3}{4} - 17\frac{1}{3}$

l.  $1\frac{9}{17} - 1\frac{1}{2}$

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Example :  $9\frac{2}{3} + 7\frac{5}{7}$

Let's find the LCM and then add ( add the whole numbers seperately)

$$9\frac{2}{3} + 7\frac{5}{7} = (9 + 7)\frac{14}{21} + \frac{15}{21} = 16\frac{29}{21} = 21\frac{1}{21} = 16 + 1\frac{8}{21}$$

So,  $9\frac{2}{3} + 7\frac{5}{7} = 17\frac{8}{21}$



a.  $1\frac{6}{15} + 5\frac{1}{3} = 6\frac{11}{15}$

g.  $1\frac{2}{9} + 2\frac{4}{18} = 3\frac{8}{18}$

b.  $5\frac{1}{2} - 2\frac{5}{9} = 2\frac{17}{18}$

h.  $7\frac{19}{24} - 3\frac{2}{3} = 4\frac{3}{24}$

c.  $3\frac{3}{4} + 1\frac{1}{6} = 4\frac{22}{24}$

i.  $1\frac{2}{5} + 3\frac{2}{45} = 4\frac{20}{45}$

d.  $6\frac{10}{11} - 5\frac{1}{3} = 1\frac{19}{33}$

j.  $4\frac{1}{24} - 3\frac{1}{4} = \frac{19}{24}$

e.  $10\frac{1}{2} + 6\frac{1}{4} = 16\frac{3}{4}$

k.  $5\frac{1}{4} + 3\frac{5}{8} = 8\frac{7}{8}$

f.  $21\frac{3}{4} - 17\frac{1}{3} = 4\frac{5}{12}$

l.  $1\frac{9}{17} - 1\frac{1}{2} = \frac{1}{34}$