

Mathematik 6		14.01.2021
Rechnen mit Brüchen	Addition und Subtraktion gemischter Zahlen	Lösungen S. 59 / 1a-h S. 59 / 3a, b

S. 59 / 1

a) $2\frac{3}{7} + 3\frac{1}{7} = 5\frac{4}{7}$

b) $5\frac{3}{4} - 3\frac{1}{4} = 2\frac{2}{4} = 2\frac{1}{2}$ *Ergebnis vollständig kürzen!*

c) $2\frac{1}{4} + 4\frac{1}{2} = 6\frac{1}{4} + \frac{2}{4} = 6\frac{3}{4}$

d) $9\frac{3}{4} - 8\frac{1}{12} = 1\frac{9}{12} - \frac{1}{12} = 1\frac{8}{12} = 1\frac{2}{3}$

e) $8\frac{5}{6} - 3\frac{15}{18} = 8\frac{5}{6} - 3\frac{5}{6} = 5$ *Beim Subtrahenden den Bruch kürzen!*

f) $4\frac{3}{5} + 3\frac{3}{5} = 7\frac{6}{5} = 8\frac{1}{5}$

g) $7\frac{1}{4} - 5\frac{3}{4} = 6\frac{5}{4} - 5\frac{3}{4} = 1\frac{2}{4} = 1\frac{1}{2}$

h) $3\frac{2}{5} + 4\frac{3}{5} = 7\frac{5}{5} = 8$

S. 59 / 3

a) $9\frac{1}{8} + 5\frac{7}{20} =$
 $= 14\frac{5}{40} + \frac{14}{20} =$
 $= 14\frac{19}{40}$

b) $8\frac{1}{4} - 6\frac{5}{6} =$
 $= 8\frac{3}{12} - 6\frac{10}{12} =$
 $= 7\frac{15}{12} - 6\frac{10}{12} =$
 $= 1\frac{5}{12}$