

Brüche addieren und subtrahieren

1 Löse die folgenden Aufgaben! Kürze, oder wandle in eine gemischte Zahl um, wenn möglich!

a.) $\frac{4}{5} + \frac{2}{5} = \frac{6}{5} = 1\frac{1}{5}$

e.) $\frac{7}{9} + \frac{6}{9} = \frac{13}{9} = 1\frac{4}{9}$

i.) $\frac{2}{15} - \frac{1}{15} = \frac{1}{15}$

b.) $\frac{3}{7} - \frac{2}{7} = \frac{1}{7}$

f.) $\frac{12}{14} - \frac{3}{14} = \frac{9}{14}$

j.) $\frac{13}{20} + \frac{6}{20} = \frac{19}{20}$

c.) $\frac{5}{8} - \frac{3}{8} = \frac{2}{8} = \frac{1}{4}$

g.) $\frac{8}{11} + \frac{10}{11} = \frac{18}{11} = 1\frac{7}{11}$

k.) $\frac{6}{6} - \frac{3}{6} = \frac{3}{6} = \frac{1}{2}$

d.) $\frac{6}{4} + \frac{1}{4} = \frac{7}{4} = 1\frac{3}{4}$

h.) $\frac{17}{18} - \frac{7}{18} = \frac{10}{18} = \frac{5}{9}$

l.) $\frac{6}{7} + \frac{5}{7} = \frac{11}{7} = 1\frac{4}{7}$

2 Berechne! Achte dabei auf die verschiedenen Nenner!

a.) $\frac{2}{3} + \frac{3}{4} = \frac{8}{12} + \frac{9}{12} = \frac{17}{12} = 1\frac{5}{12}$

e.) $\frac{4}{6} + \frac{5}{8} = \frac{16}{24} + \frac{15}{24} = \frac{31}{24} = 1\frac{7}{24}$

b.) $\frac{5}{6} - \frac{1}{3} = \frac{5}{6} - \frac{2}{6} = \frac{3}{6} = \frac{1}{2}$

f.) $\frac{11}{12} - \frac{3}{4} = \frac{11}{12} - \frac{9}{12} = \frac{2}{12} = \frac{1}{6}$

c.) $\frac{8}{4} - \frac{1}{2} = \frac{8}{4} - \frac{2}{4} = \frac{6}{4} = 1\frac{2}{4} = 1\frac{1}{2}$

g.) $\frac{11}{16} + \frac{5}{8} = \frac{11}{16} + \frac{10}{16} = \frac{21}{16} = 1\frac{5}{16}$

d.) $\frac{7}{9} + \frac{5}{3} = \frac{7}{9} + \frac{15}{9} = \frac{22}{9} = 2\frac{4}{9}$

h.) $\frac{7}{3} - \frac{2}{7} = \frac{49}{21} - \frac{6}{21} = \frac{43}{21} = 2\frac{1}{21}$

3 Ergänze den fehlenden Bruch!

a.) $\frac{1}{8} + \frac{6}{8} = \frac{7}{8}$

e.) $\frac{2}{5} - \frac{2}{15} = \frac{4}{15}$

i.) $\frac{17}{4} - \frac{10}{4} = \frac{7}{4}$

b.) $\frac{5}{6} - \frac{4}{6} = \frac{1}{6}$

f.) $\frac{9}{2} - \frac{15}{4} = \frac{3}{4}$

j.) $\frac{9}{10} + \frac{31}{10} = \frac{20}{5}$

c.) $\frac{8}{9} - \frac{3}{9} = \frac{5}{9}$

g.) $\frac{13}{18} + \frac{11}{18} = \frac{12}{9}$

k.) $\frac{7}{8} + \frac{9}{8} = \frac{8}{4}$

d.) $\frac{7}{5} + \frac{5}{5} = \frac{12}{5}$

h.) $\frac{20}{21} - \frac{6}{21} = \frac{14}{21}$

l.) $\frac{7}{6} + \frac{3}{6} = \frac{5}{3}$