Übung Addition von Bruchzahlen, Hauptnenner, Kürzen, Darstellung als Dezimalzahl

$-\dfrac{50}{25} - \dfrac{5}{9} = -\dfrac{450}{225} - \dfrac{125}{225} = -\dfrac{575}{225} = -\dfrac{23}{9} = -2{,}56$

$-\dfrac{3}{4} + \dfrac{6}{9} = -\dfrac{27}{36} + \dfrac{24}{36} = -\dfrac{3}{36} = -\dfrac{1}{12} \approx -0{,}08$

$-\dfrac{6}{7} + \dfrac{20}{9} = -\dfrac{54}{63} + \dfrac{140}{63} = \dfrac{86}{63} = \dfrac{86}{63} \approx 1{,}37$

$-\dfrac{4}{25} - \dfrac{5}{20} = -\dfrac{16}{100} - \dfrac{25}{100} = -\dfrac{41}{100} = -\dfrac{41}{100} = -0{,}41$

$+\dfrac{8}{10} - \dfrac{20}{5} = +\dfrac{8}{10} - \dfrac{40}{10} = -\dfrac{32}{10} = -\dfrac{16}{5} = -3{,}2$

$+\dfrac{6}{8} - \dfrac{10}{6} = +\dfrac{18}{24} - \dfrac{40}{24} = -\dfrac{22}{24} = -\dfrac{11}{12} = -0{,}92$

$-\dfrac{4}{7} - \dfrac{3}{9} = -\dfrac{36}{63} - \dfrac{21}{63} = -\dfrac{57}{63} = -\dfrac{19}{21} \approx -0{,}9$

$-\dfrac{20}{9} + \dfrac{3}{8} = -\dfrac{160}{72} + \dfrac{27}{72} = -\dfrac{133}{72} = -\dfrac{133}{72} = -1{,}85$

$-\dfrac{7}{20} + \dfrac{10}{20} = -\dfrac{7}{20} + \dfrac{10}{20} = \dfrac{3}{20} = \dfrac{3}{20} = 0{,}15$

$-\dfrac{4}{25} + \dfrac{7}{9} = -\dfrac{36}{225} + \dfrac{175}{225} = \dfrac{139}{225} = \dfrac{139}{225} \approx 0{,}62$

$-\dfrac{10}{4} - \dfrac{6}{25} = -\dfrac{250}{100} - \dfrac{24}{100} = -\dfrac{274}{100} = -\dfrac{137}{50} = -2{,}74$

$-\dfrac{4}{7} + \dfrac{20}{5} = -\dfrac{20}{35} + \dfrac{140}{35} = \dfrac{120}{35} = \dfrac{24}{7} \approx 3{,}43$

$-\dfrac{7}{50} + \dfrac{10}{25} = -\dfrac{7}{50} + \dfrac{20}{50} = \dfrac{13}{50} = \dfrac{13}{50} = 0{,}26$

$+\dfrac{6}{10} - \dfrac{20}{3} = +\dfrac{18}{30} - \dfrac{200}{30} = -\dfrac{182}{30} = -\dfrac{91}{15} = -6{,}07$

$-\dfrac{50}{8} - \dfrac{6}{50} = -\dfrac{1250}{200} - \dfrac{24}{200} = -\dfrac{1274}{200} = -\dfrac{637}{100} = -6{,}37$

$-\dfrac{25}{9} + \dfrac{20}{25} = -\dfrac{625}{225} + \dfrac{180}{225} = -\dfrac{445}{225} = -\dfrac{89}{45} = -1{,}98$

$-\dfrac{7}{10} - \dfrac{9}{20} = -\dfrac{14}{20} - \dfrac{9}{20} = -\dfrac{23}{20} = -\dfrac{23}{20} = -1{,}15$

$-\dfrac{8}{10} + \dfrac{8}{10} = -\dfrac{8}{10} + \dfrac{8}{10} = \dfrac{0}{10} = \dfrac{0}{1} = 0$

$+\dfrac{8}{20} + \dfrac{4}{5} = +\dfrac{8}{20} + \dfrac{16}{20} = \dfrac{24}{20} = \dfrac{6}{5} = 1{,}2$

$-\dfrac{25}{7} + \dfrac{9}{4} = -\dfrac{100}{28} + \dfrac{63}{28} = -\dfrac{37}{28} = -\dfrac{37}{28} \approx -1{,}32$

Übung Addition von Bruchzahlen, Hauptnenner, Kürzen, Darstellung als Dezimalzahl

$+\dfrac{8}{3} - \dfrac{20}{7} = \quad +\dfrac{56}{21} - \dfrac{60}{21} = \quad -\dfrac{4}{21} = \quad -\dfrac{4}{21} \approx -0{,}19$

$-\dfrac{8}{9} + \dfrac{6}{20} = \quad -\dfrac{160}{180} + \dfrac{54}{180} = \quad -\dfrac{106}{180} = \quad -\dfrac{53}{90} = -0{,}59$

$+\dfrac{6}{10} - \dfrac{7}{6} = \quad +\dfrac{18}{30} - \dfrac{35}{30} = \quad -\dfrac{17}{30} = \quad -\dfrac{17}{30} = -0{,}57$

$+\dfrac{8}{50} + \dfrac{6}{6} = \quad +\dfrac{24}{150} + \dfrac{150}{150} = \quad \dfrac{174}{150} = \quad \dfrac{29}{25} = 1{,}16$

$+\dfrac{4}{10} + \dfrac{9}{8} = \quad +\dfrac{16}{40} + \dfrac{45}{40} = \quad \dfrac{61}{40} = \quad \dfrac{61}{40} \approx 1{,}53$

$-\dfrac{10}{5} + \dfrac{50}{25} = \quad -\dfrac{50}{25} + \dfrac{50}{25} = \quad \dfrac{0}{25} = \quad \dfrac{0}{1} = 0$

$-\dfrac{6}{4} - \dfrac{25}{20} = \quad -\dfrac{30}{20} - \dfrac{25}{20} = \quad -\dfrac{55}{20} = \quad -\dfrac{11}{4} = -2{,}75$

$-\dfrac{20}{50} - \dfrac{10}{5} = \quad -\dfrac{20}{50} - \dfrac{100}{50} = \quad -\dfrac{120}{50} = \quad -\dfrac{12}{5} = -2{,}4$

$+\dfrac{3}{5} + \dfrac{7}{10} = \quad +\dfrac{6}{10} + \dfrac{7}{10} = \quad \dfrac{13}{10} = \quad \dfrac{13}{10} = 1{,}3$

$+\dfrac{8}{4} - \dfrac{25}{4} = \quad +\dfrac{8}{4} - \dfrac{25}{4} = \quad -\dfrac{17}{4} = \quad -\dfrac{17}{4} = -4{,}25$

$+\dfrac{8}{50} + \dfrac{10}{9} = \quad +\dfrac{72}{450} + \dfrac{500}{450} = \quad \dfrac{572}{450} = \quad \dfrac{286}{225} = 1{,}27$

$-\dfrac{25}{6} + \dfrac{3}{20} = \quad -\dfrac{250}{60} + \dfrac{9}{60} = \quad -\dfrac{241}{60} = \quad -\dfrac{241}{60} = -4{,}02$

$-\dfrac{25}{8} + \dfrac{9}{25} = \quad -\dfrac{625}{200} + \dfrac{72}{200} = \quad -\dfrac{553}{200} = \quad -\dfrac{553}{200} = -2{,}77$

$+\dfrac{8}{7} + \dfrac{20}{25} = \quad +\dfrac{200}{175} + \dfrac{140}{175} = \quad \dfrac{340}{175} = \quad \dfrac{68}{35} = 1{,}94$

$-\dfrac{4}{8} + \dfrac{9}{10} = \quad -\dfrac{20}{40} + \dfrac{36}{40} = \quad \dfrac{16}{40} = \quad \dfrac{2}{5} = 0{,}4$

$+\dfrac{3}{5} + \dfrac{25}{10} = \quad +\dfrac{6}{10} + \dfrac{25}{10} = \quad \dfrac{31}{10} = \quad \dfrac{31}{10} = 3{,}1$

$-\dfrac{6}{20} + \dfrac{7}{10} = \quad -\dfrac{6}{20} + \dfrac{14}{20} = \quad \dfrac{8}{20} = \quad \dfrac{2}{5} = 0{,}4$

$-\dfrac{6}{50} - \dfrac{5}{6} = \quad -\dfrac{18}{150} - \dfrac{125}{150} = \quad -\dfrac{143}{150} = \quad -\dfrac{143}{150} \approx -0{,}95$

$-\dfrac{4}{8} + \dfrac{20}{25} = \quad -\dfrac{100}{200} + \dfrac{160}{200} = \quad \dfrac{60}{200} = \quad \dfrac{3}{10} = 0{,}3$

$+\dfrac{6}{5} - \dfrac{9}{25} = \quad +\dfrac{30}{25} - \dfrac{9}{25} = \quad \dfrac{21}{25} = \quad \dfrac{21}{25} = 0{,}84$

Übung Addition von Bruchzahlen, Hauptnenner, Kürzen, Darstellung als Dezimalzahl

$-\dfrac{10}{10} + \dfrac{25}{4} =$ $-\dfrac{20}{20} + \dfrac{125}{20} =$ $\dfrac{105}{20} =$ $\dfrac{21}{4} =$ $5,25$

$+\dfrac{10}{25} - \dfrac{20}{50} =$ $+\dfrac{20}{50} - \dfrac{20}{50} =$ $\dfrac{0}{50} =$ $\dfrac{0}{1} =$ 0

$+\dfrac{20}{9} - \dfrac{8}{10} =$ $+\dfrac{200}{90} - \dfrac{72}{90} =$ $\dfrac{128}{90} =$ $\dfrac{64}{45} =$ $1,42$

$+\dfrac{3}{4} + \dfrac{6}{8} =$ $+\dfrac{6}{8} + \dfrac{6}{8} =$ $\dfrac{12}{8} =$ $\dfrac{3}{2} =$ $1,5$

$-\dfrac{4}{6} - \dfrac{9}{10} =$ $-\dfrac{20}{30} - \dfrac{27}{30} =$ $-\dfrac{47}{30} =$ $-\dfrac{47}{30} =$ $-1,57$

$+\dfrac{9}{25} + \dfrac{5}{8} =$ $+\dfrac{72}{200} + \dfrac{125}{200} =$ $\dfrac{197}{200} =$ $\dfrac{197}{200} \approx$ $0,99$

$-\dfrac{20}{5} - \dfrac{5}{10} =$ $-\dfrac{40}{10} - \dfrac{5}{10} =$ $-\dfrac{45}{10} =$ $-\dfrac{9}{2} =$ $-4,5$

$-\dfrac{6}{5} - \dfrac{5}{6} =$ $-\dfrac{36}{30} - \dfrac{25}{30} =$ $-\dfrac{61}{30} =$ $-\dfrac{61}{30} \approx$ $-2,03$

$+\dfrac{8}{20} - \dfrac{50}{7} =$ $+\dfrac{56}{140} - \dfrac{1000}{140} =$ $-\dfrac{944}{140} =$ $-\dfrac{236}{35} \approx$ $-6,74$

$+\dfrac{6}{4} + \dfrac{6}{9} =$ $+\dfrac{54}{36} + \dfrac{24}{36} =$ $\dfrac{78}{36} =$ $\dfrac{13}{6} \approx$ $2,17$

$-\dfrac{9}{5} + \dfrac{4}{10} =$ $-\dfrac{18}{10} + \dfrac{4}{10} =$ $-\dfrac{14}{10} =$ $-\dfrac{7}{5} =$ $-1,4$

$+\dfrac{3}{9} - \dfrac{25}{3} =$ $+\dfrac{3}{9} - \dfrac{75}{9} =$ $-\dfrac{72}{9} =$ $-\dfrac{8}{1} =$ -8

$-\dfrac{7}{5} + \dfrac{4}{9} =$ $-\dfrac{63}{45} + \dfrac{20}{45} =$ $-\dfrac{43}{45} =$ $-\dfrac{43}{45} =$ $-0,96$

$-\dfrac{4}{20} - \dfrac{9}{25} =$ $-\dfrac{20}{100} - \dfrac{36}{100} =$ $-\dfrac{56}{100} =$ $-\dfrac{14}{25} =$ $-0,56$

$+\dfrac{10}{20} + \dfrac{8}{6} =$ $+\dfrac{30}{60} + \dfrac{80}{60} =$ $\dfrac{110}{60} =$ $\dfrac{11}{6} =$ $1,83$

$+\dfrac{25}{7} + \dfrac{25}{20} =$ $+\dfrac{500}{140} + \dfrac{175}{140} =$ $\dfrac{675}{140} =$ $\dfrac{135}{28} =$ $4,82$

$+\dfrac{4}{3} - \dfrac{25}{4} =$ $+\dfrac{16}{12} - \dfrac{75}{12} =$ $-\dfrac{59}{12} =$ $-\dfrac{59}{12} =$ $-4,92$

$-\dfrac{50}{5} + \dfrac{25}{8} =$ $-\dfrac{400}{40} + \dfrac{125}{40} =$ $-\dfrac{275}{40} =$ $-\dfrac{55}{8} =$ $-6,88$

$-\dfrac{7}{10} + \dfrac{9}{20} =$ $-\dfrac{14}{20} + \dfrac{9}{20} =$ $-\dfrac{5}{20} =$ $-\dfrac{1}{4} =$ $-0,25$

$+\dfrac{3}{4} + \dfrac{6}{10} =$ $+\dfrac{15}{20} + \dfrac{12}{20} =$ $\dfrac{27}{20} =$ $\dfrac{27}{20} =$ $1,35$

Übung Addition von Bruchzahlen, Hauptnenner, Kürzen, Darstellung als Dezimalzahl

$+\dfrac{25}{4} - \dfrac{9}{20} = \quad +\dfrac{125}{20} - \dfrac{9}{20} = \quad \dfrac{116}{20} = \quad \dfrac{29}{5} = \quad 5{,}8$

$+\dfrac{6}{7} - \dfrac{50}{25} = \quad +\dfrac{150}{175} - \dfrac{350}{175} = \quad -\dfrac{200}{175} = \quad -\dfrac{8}{7} \approx \quad -1{,}14$

$+\dfrac{3}{4} + \dfrac{10}{5} = \quad +\dfrac{15}{20} + \dfrac{40}{20} = \quad \dfrac{55}{20} = \quad \dfrac{11}{4} = \quad 2{,}75$

$-\dfrac{7}{3} - \dfrac{7}{6} = \quad -\dfrac{14}{6} - \dfrac{7}{6} = \quad -\dfrac{21}{6} = \quad -\dfrac{7}{2} = \quad -3{,}5$

$+\dfrac{5}{20} + \dfrac{10}{20} = \quad +\dfrac{5}{20} + \dfrac{10}{20} = \quad \dfrac{15}{20} = \quad \dfrac{3}{4} = \quad 0{,}75$

$+\dfrac{25}{50} + \dfrac{8}{4} = \quad +\dfrac{50}{100} + \dfrac{200}{100} = \quad \dfrac{250}{100} = \quad \dfrac{5}{2} = \quad 2{,}5$

$+\dfrac{6}{10} + \dfrac{20}{4} = \quad +\dfrac{12}{20} + \dfrac{100}{20} = \quad \dfrac{112}{20} = \quad \dfrac{28}{5} = \quad 5{,}6$

$-\dfrac{5}{9} + \dfrac{4}{20} = \quad -\dfrac{100}{180} + \dfrac{36}{180} = \quad -\dfrac{64}{180} = \quad -\dfrac{16}{45} = \quad -0{,}36$

$-\dfrac{5}{50} - \dfrac{20}{50} = \quad -\dfrac{5}{50} - \dfrac{20}{50} = \quad -\dfrac{25}{50} = \quad -\dfrac{1}{2} = \quad -0{,}5$

$-\dfrac{10}{4} + \dfrac{7}{4} = \quad -\dfrac{10}{4} + \dfrac{7}{4} = \quad -\dfrac{3}{4} = \quad -\dfrac{3}{4} = \quad -0{,}75$

$-\dfrac{10}{8} - \dfrac{6}{8} = \quad -\dfrac{10}{8} - \dfrac{6}{8} = \quad -\dfrac{16}{8} = \quad -\dfrac{2}{1} = \quad -2$

$-\dfrac{50}{4} + \dfrac{5}{6} = \quad -\dfrac{150}{12} + \dfrac{10}{12} = \quad -\dfrac{140}{12} = \quad -\dfrac{35}{3} = \quad -11{,}67$

$-\dfrac{50}{7} - \dfrac{20}{50} = \quad -\dfrac{2500}{350} - \dfrac{140}{350} = \quad -\dfrac{2640}{350} = \quad -\dfrac{264}{35} \approx \quad -7{,}54$

$+\dfrac{9}{8} + \dfrac{7}{3} = \quad +\dfrac{27}{24} + \dfrac{56}{24} = \quad \dfrac{83}{24} = \quad \dfrac{83}{24} \approx \quad 3{,}46$

$-\dfrac{7}{25} + \dfrac{9}{6} = \quad -\dfrac{42}{150} + \dfrac{225}{150} = \quad \dfrac{183}{150} = \quad \dfrac{61}{50} = \quad 1{,}22$

$-\dfrac{10}{4} - \dfrac{5}{7} = \quad -\dfrac{70}{28} - \dfrac{20}{28} = \quad -\dfrac{90}{28} = \quad -\dfrac{45}{14} \approx \quad -3{,}21$

$-\dfrac{6}{8} - \dfrac{7}{9} = \quad -\dfrac{54}{72} - \dfrac{56}{72} = \quad -\dfrac{110}{72} = \quad -\dfrac{55}{36} = \quad -1{,}53$

$+\dfrac{9}{6} + \dfrac{8}{25} = \quad +\dfrac{225}{150} + \dfrac{48}{150} = \quad \dfrac{273}{150} = \quad \dfrac{91}{50} = \quad 1{,}82$

$+\dfrac{20}{7} - \dfrac{6}{3} = \quad +\dfrac{60}{21} - \dfrac{42}{21} = \quad \dfrac{18}{21} = \quad \dfrac{6}{7} \approx \quad 0{,}86$

$-\dfrac{3}{6} - \dfrac{20}{7} = \quad -\dfrac{21}{42} - \dfrac{120}{42} = \quad -\dfrac{141}{42} = \quad -\dfrac{47}{14} \approx \quad -3{,}36$

Übung Addition von Bruchzahlen, Hauptnenner, Kürzen, Darstellung als Dezimalzahl

$$-\frac{25}{7} - \frac{10}{25} = -\frac{625}{175} - \frac{70}{175} = -\frac{695}{175} = -\frac{139}{35} \approx -3{,}97$$

$$+\frac{7}{25} - \frac{10}{8} = +\frac{56}{200} - \frac{250}{200} = -\frac{194}{200} = -\frac{97}{100} = -0{,}97$$

$$+\frac{8}{5} + \frac{6}{4} = +\frac{32}{20} + \frac{30}{20} = \frac{62}{20} = \frac{31}{10} = 3{,}1$$

$$+\frac{4}{7} + \frac{50}{20} = +\frac{80}{140} + \frac{350}{140} = \frac{430}{140} = \frac{43}{14} = 3{,}07$$

$$-\frac{9}{4} + \frac{20}{10} = -\frac{45}{20} + \frac{40}{20} = -\frac{5}{20} = -\frac{1}{4} = -0{,}25$$

$$+\frac{20}{25} + \frac{9}{9} = +\frac{180}{225} + \frac{225}{225} = \frac{405}{225} = \frac{9}{5} = 1{,}8$$

$$+\frac{5}{8} + \frac{4}{6} = +\frac{15}{24} + \frac{16}{24} = \frac{31}{24} = \frac{31}{24} = 1{,}29$$

$$+\frac{4}{50} + \frac{5}{4} = +\frac{8}{100} + \frac{125}{100} = \frac{133}{100} = \frac{133}{100} = 1{,}33$$

$$-\frac{4}{5} - \frac{9}{10} = -\frac{8}{10} - \frac{9}{10} = -\frac{17}{10} = -\frac{17}{10} = -1{,}7$$

$$-\frac{8}{25} - \frac{20}{10} = -\frac{16}{50} - \frac{100}{50} = -\frac{116}{50} = -\frac{58}{25} = -2{,}32$$

$$-\frac{5}{7} + \frac{10}{9} = -\frac{45}{63} + \frac{70}{63} = \frac{25}{63} = \frac{25}{63} \approx 0{,}4$$

$$+\frac{7}{10} - \frac{9}{4} = +\frac{14}{20} - \frac{45}{20} = -\frac{31}{20} = -\frac{31}{20} = -1{,}55$$

$$-\frac{8}{20} - \frac{10}{5} = -\frac{8}{20} - \frac{40}{20} = -\frac{48}{20} = -\frac{12}{5} = -2{,}4$$

$$-\frac{10}{7} - \frac{6}{25} = -\frac{250}{175} - \frac{42}{175} = -\frac{292}{175} = -\frac{292}{175} = -1{,}67$$

$$-\frac{5}{10} + \frac{6}{4} = -\frac{10}{20} + \frac{30}{20} = \frac{20}{20} = \frac{1}{1} = 1$$

$$-\frac{4}{3} + \frac{5}{6} = -\frac{8}{6} + \frac{5}{6} = -\frac{3}{6} = -\frac{1}{2} = -0{,}5$$

$$-\frac{20}{7} + \frac{25}{20} = -\frac{400}{140} + \frac{175}{140} = -\frac{225}{140} = -\frac{45}{28} = -1{,}61$$

$$+\frac{6}{9} - \frac{7}{20} = +\frac{120}{180} - \frac{63}{180} = \frac{57}{180} = \frac{19}{60} \approx 0{,}32$$

$$+\frac{9}{8} - \frac{5}{6} = +\frac{27}{24} - \frac{20}{24} = \frac{7}{24} = \frac{7}{24} = 0{,}29$$

$$+\frac{10}{5} - \frac{50}{5} = +\frac{10}{5} - \frac{50}{5} = -\frac{40}{5} = -\frac{8}{1} = -8$$

Übung Addition von Bruchzahlen, Hauptnenner, Kürzen, Darstellung als Dezimalzahl

$+\dfrac{20}{10} - \dfrac{6}{8} = +\dfrac{80}{40} - \dfrac{30}{40} = \dfrac{50}{40} = \dfrac{5}{4} = 1{,}25$

$-\dfrac{8}{6} + \dfrac{50}{4} = -\dfrac{16}{12} + \dfrac{150}{12} = \dfrac{134}{12} = \dfrac{67}{6} \approx 11{,}17$

$+\dfrac{9}{7} - \dfrac{5}{10} = +\dfrac{90}{70} - \dfrac{35}{70} = \dfrac{55}{70} = \dfrac{11}{14} \approx 0{,}79$

$-\dfrac{10}{8} + \dfrac{6}{9} = -\dfrac{90}{72} + \dfrac{48}{72} = -\dfrac{42}{72} = -\dfrac{7}{12} \approx -0{,}58$

$+\dfrac{25}{8} + \dfrac{20}{3} = +\dfrac{75}{24} + \dfrac{160}{24} = \dfrac{235}{24} = \dfrac{235}{24} = 9{,}79$

$-\dfrac{10}{8} - \dfrac{7}{5} = -\dfrac{50}{40} - \dfrac{56}{40} = -\dfrac{106}{40} = -\dfrac{53}{20} = -2{,}65$

$+\dfrac{8}{4} - \dfrac{25}{20} = +\dfrac{40}{20} - \dfrac{25}{20} = \dfrac{15}{20} = \dfrac{3}{4} = 0{,}75$

$+\dfrac{6}{5} - \dfrac{10}{9} = +\dfrac{54}{45} - \dfrac{50}{45} = \dfrac{4}{45} = \dfrac{4}{45} \approx 0{,}09$

$-\dfrac{5}{8} + \dfrac{7}{10} = -\dfrac{25}{40} + \dfrac{28}{40} = \dfrac{3}{40} = \dfrac{3}{40} \approx 0{,}08$

$-\dfrac{5}{7} + \dfrac{6}{25} = -\dfrac{125}{175} + \dfrac{42}{175} = -\dfrac{83}{175} = -\dfrac{83}{175} \approx -0{,}47$

$+\dfrac{4}{8} - \dfrac{9}{5} = +\dfrac{20}{40} - \dfrac{72}{40} = -\dfrac{52}{40} = -\dfrac{13}{10} = -1{,}3$

$+\dfrac{20}{20} - \dfrac{6}{20} = +\dfrac{20}{20} - \dfrac{6}{20} = \dfrac{14}{20} = \dfrac{7}{10} = 0{,}7$

$+\dfrac{4}{6} + \dfrac{20}{50} = +\dfrac{100}{150} + \dfrac{60}{150} = \dfrac{160}{150} = \dfrac{16}{15} \approx 1{,}07$

$-\dfrac{10}{7} + \dfrac{4}{9} = -\dfrac{90}{63} + \dfrac{28}{63} = -\dfrac{62}{63} = -\dfrac{62}{63} \approx -0{,}98$

$-\dfrac{8}{9} - \dfrac{5}{50} = -\dfrac{400}{450} - \dfrac{45}{450} = -\dfrac{445}{450} = -\dfrac{89}{90} = -0{,}99$

$+\dfrac{4}{25} - \dfrac{5}{10} = +\dfrac{8}{50} - \dfrac{25}{50} = -\dfrac{17}{50} = -\dfrac{17}{50} = -0{,}34$

$+\dfrac{8}{4} + \dfrac{6}{25} = +\dfrac{200}{100} + \dfrac{24}{100} = \dfrac{224}{100} = \dfrac{56}{25} = 2{,}24$

$+\dfrac{3}{8} - \dfrac{4}{9} = +\dfrac{27}{72} - \dfrac{32}{72} = -\dfrac{5}{72} = -\dfrac{5}{72} = -0{,}07$

$+\dfrac{7}{8} + \dfrac{7}{8} = +\dfrac{7}{8} + \dfrac{7}{8} = \dfrac{14}{8} = \dfrac{7}{4} = 1{,}75$

$-\dfrac{9}{50} + \dfrac{20}{25} = -\dfrac{9}{50} + \dfrac{40}{50} = \dfrac{31}{50} = \dfrac{31}{50} \approx 0{,}62$

Übung Addition von Bruchzahlen, Hauptnenner, Kürzen, Darstellung als Dezimalzahl

$+\dfrac{4}{8} \quad -\dfrac{25}{10} =$ $+\dfrac{20}{40} \quad -\dfrac{100}{40} =$ $-\dfrac{80}{40} =$ $-\dfrac{2}{1} =$ -2

$+\dfrac{8}{25} \quad -\dfrac{4}{25} =$ $+\dfrac{8}{25} \quad -\dfrac{4}{25} =$ $\dfrac{4}{25} =$ $\dfrac{4}{25} =$ $0{,}16$

$+\dfrac{20}{25} \quad -\dfrac{8}{25} =$ $+\dfrac{20}{25} \quad -\dfrac{8}{25} =$ $\dfrac{12}{25} =$ $\dfrac{12}{25} =$ $0{,}48$

$+\dfrac{6}{20} \quad +\dfrac{50}{4} =$ $+\dfrac{6}{20} \quad +\dfrac{250}{20} =$ $\dfrac{256}{20} =$ $\dfrac{64}{5} =$ $12{,}8$

$-\dfrac{8}{4} \quad -\dfrac{10}{4} =$ $-\dfrac{8}{4} \quad -\dfrac{10}{4} =$ $-\dfrac{18}{4} =$ $-\dfrac{9}{2} =$ $-4{,}5$

$+\dfrac{4}{9} \quad -\dfrac{6}{25} =$ $+\dfrac{100}{225} \quad -\dfrac{54}{225} =$ $\dfrac{46}{225} =$ $\dfrac{46}{225} =$ $0{,}2$

$-\dfrac{6}{25} \quad +\dfrac{50}{9} =$ $-\dfrac{54}{225} \quad +\dfrac{1250}{225} =$ $\dfrac{1196}{225} =$ $\dfrac{1196}{225} \approx$ $5{,}32$

$+\dfrac{8}{6} \quad -\dfrac{8}{7} =$ $+\dfrac{56}{42} \quad -\dfrac{48}{42} =$ $\dfrac{8}{42} =$ $\dfrac{4}{21} =$ $0{,}19$

$+\dfrac{50}{7} \quad +\dfrac{8}{6} =$ $+\dfrac{300}{42} \quad +\dfrac{56}{42} =$ $\dfrac{356}{42} =$ $\dfrac{178}{21} \approx$ $8{,}48$

$+\dfrac{7}{4} \quad -\dfrac{25}{10} =$ $+\dfrac{35}{20} \quad -\dfrac{50}{20} =$ $-\dfrac{15}{20} =$ $-\dfrac{3}{4} =$ $-0{,}75$

$+\dfrac{5}{50} \quad +\dfrac{9}{8} =$ $+\dfrac{20}{200} \quad +\dfrac{225}{200} =$ $\dfrac{245}{200} =$ $\dfrac{49}{40} \approx$ $1{,}23$

$+\dfrac{10}{3} \quad +\dfrac{8}{6} =$ $+\dfrac{20}{6} \quad +\dfrac{8}{6} =$ $\dfrac{28}{6} =$ $\dfrac{14}{3} \approx$ $4{,}67$

$-\dfrac{10}{9} \quad +\dfrac{3}{7} =$ $-\dfrac{70}{63} \quad +\dfrac{27}{63} =$ $-\dfrac{43}{63} =$ $-\dfrac{43}{63} \approx$ $-0{,}68$

$-\dfrac{3}{6} \quad -\dfrac{4}{7} =$ $-\dfrac{21}{42} \quad -\dfrac{24}{42} =$ $-\dfrac{45}{42} =$ $-\dfrac{15}{14} \approx$ $-1{,}07$

$-\dfrac{10}{20} \quad +\dfrac{50}{25} =$ $-\dfrac{50}{100} \quad +\dfrac{200}{100} =$ $\dfrac{150}{100} =$ $\dfrac{3}{2} =$ $1{,}5$

$+\dfrac{5}{25} \quad +\dfrac{10}{7} =$ $+\dfrac{35}{175} \quad +\dfrac{250}{175} =$ $\dfrac{285}{175} =$ $\dfrac{57}{35} \approx$ $1{,}63$

$-\dfrac{10}{20} \quad +\dfrac{7}{6} =$ $-\dfrac{30}{60} \quad +\dfrac{70}{60} =$ $\dfrac{40}{60} =$ $\dfrac{2}{3} \approx$ $0{,}67$

$+\dfrac{50}{10} \quad +\dfrac{5}{10} =$ $+\dfrac{50}{10} \quad +\dfrac{5}{10} =$ $\dfrac{55}{10} =$ $\dfrac{11}{2} =$ $5{,}5$

$+\dfrac{4}{5} \quad +\dfrac{25}{7} =$ $+\dfrac{28}{35} \quad +\dfrac{125}{35} =$ $\dfrac{153}{35} =$ $\dfrac{153}{35} =$ $4{,}37$

$-\dfrac{6}{4} \quad +\dfrac{3}{10} =$ $-\dfrac{30}{20} \quad +\dfrac{6}{20} =$ $-\dfrac{24}{20} =$ $-\dfrac{6}{5} =$ $-1{,}2$

Übung Addition von Bruchzahlen, Hauptnenner, Kürzen, Darstellung als Dezimalzahl

$$-\frac{9}{20} + \frac{8}{7} = \quad -\frac{63}{140} + \frac{160}{140} = \quad \frac{97}{140} = \quad \frac{97}{140} = \quad 0{,}69$$

$$-\frac{6}{9} + \frac{20}{50} = \quad -\frac{300}{450} + \frac{180}{450} = \quad -\frac{120}{450} = \quad -\frac{4}{15} = \quad -0{,}27$$

$$+\frac{10}{4} + \frac{5}{3} = \quad +\frac{30}{12} + \frac{20}{12} = \quad \frac{50}{12} = \quad \frac{25}{6} \approx \quad 4{,}17$$

$$-\frac{4}{7} + \frac{10}{4} = \quad -\frac{16}{28} + \frac{70}{28} = \quad \frac{54}{28} = \quad \frac{27}{14} \approx \quad 1{,}93$$

$$-\frac{5}{20} - \frac{8}{4} = \quad -\frac{5}{20} - \frac{40}{20} = \quad -\frac{45}{20} = \quad -\frac{9}{4} = \quad -2{,}25$$

$$+\frac{5}{9} + \frac{8}{50} = \quad +\frac{250}{450} + \frac{72}{450} = \quad \frac{322}{450} = \quad \frac{161}{225} \approx \quad 0{,}72$$

$$+\frac{5}{25} + \frac{7}{20} = \quad +\frac{20}{100} + \frac{35}{100} = \quad \frac{55}{100} = \quad \frac{11}{20} = \quad 0{,}55$$

$$+\frac{20}{7} + \frac{6}{50} = \quad +\frac{1000}{350} + \frac{42}{350} = \quad \frac{1042}{350} = \quad \frac{521}{175} \approx \quad 2{,}98$$

$$+\frac{4}{6} + \frac{20}{7} = \quad +\frac{28}{42} + \frac{120}{42} = \quad \frac{148}{42} = \quad \frac{74}{21} = \quad 3{,}52$$

$$+\frac{20}{8} - \frac{3}{10} = \quad +\frac{100}{40} - \frac{12}{40} = \quad \frac{88}{40} = \quad \frac{11}{5} = \quad 2{,}2$$

$$+\frac{20}{8} + \frac{9}{20} = \quad +\frac{100}{40} + \frac{18}{40} = \quad \frac{118}{40} = \quad \frac{59}{20} = \quad 2{,}95$$

$$+\frac{4}{50} - \frac{5}{4} = \quad +\frac{8}{100} - \frac{125}{100} = \quad -\frac{117}{100} = \quad -\frac{117}{100} = \quad -1{,}17$$

$$+\frac{8}{8} + \frac{6}{4} = \quad +\frac{8}{8} + \frac{12}{8} = \quad \frac{20}{8} = \quad \frac{5}{2} = \quad 2{,}5$$

$$-\frac{10}{8} - \frac{7}{10} = \quad -\frac{50}{40} - \frac{28}{40} = \quad -\frac{78}{40} = \quad -\frac{39}{20} = \quad -1{,}95$$

$$-\frac{20}{9} - \frac{20}{6} = \quad -\frac{40}{18} - \frac{60}{18} = \quad -\frac{100}{18} = \quad -\frac{50}{9} = \quad -5{,}56$$

$$-\frac{9}{50} + \frac{6}{25} = \quad -\frac{9}{50} + \frac{12}{50} = \quad \frac{3}{50} = \quad \frac{3}{50} = \quad 0{,}06$$

$$-\frac{4}{6} + \frac{9}{5} = \quad -\frac{20}{30} + \frac{54}{30} = \quad \frac{34}{30} = \quad \frac{17}{15} = \quad 1{,}13$$

$$-\frac{7}{20} + \frac{20}{9} = \quad -\frac{63}{180} + \frac{400}{180} = \quad \frac{337}{180} = \quad \frac{337}{180} = \quad 1{,}87$$

$$+\frac{6}{25} - \frac{50}{3} = \quad +\frac{18}{75} - \frac{1250}{75} = \quad -\frac{1232}{75} = \quad -\frac{1232}{75} = \quad -16{,}43$$

$$+\frac{4}{25} + \frac{8}{7} = \quad +\frac{28}{175} + \frac{200}{175} = \quad \frac{228}{175} = \quad \frac{228}{175} = \quad 1{,}3$$

Übung Addition von Bruchzahlen, Hauptnenner, Kürzen, Darstellung als Dezimalzahl

$$+\frac{25}{3} - \frac{50}{7} = \quad +\frac{175}{21} - \frac{150}{21} = \quad \frac{25}{21} = \quad \frac{25}{21} = \quad 1{,}19$$

$$+\frac{20}{8} - \frac{5}{20} = \quad +\frac{100}{40} - \frac{10}{40} = \quad \frac{90}{40} = \quad \frac{9}{4} = \quad 2{,}25$$

$$-\frac{50}{5} + \frac{7}{5} = \quad -\frac{50}{5} + \frac{7}{5} = \quad -\frac{43}{5} = \quad -\frac{43}{5} = \quad -8{,}6$$

$$+\frac{9}{3} - \frac{20}{3} = \quad +\frac{9}{3} - \frac{20}{3} = \quad -\frac{11}{3} = \quad -\frac{11}{3} = \quad -3{,}67$$

$$-\frac{9}{5} + \frac{50}{3} = \quad -\frac{27}{15} + \frac{250}{15} = \quad \frac{223}{15} = \quad \frac{223}{15} \approx 14{,}87$$

$$+\frac{5}{9} + \frac{6}{7} = \quad +\frac{35}{63} + \frac{54}{63} = \quad \frac{89}{63} = \quad \frac{89}{63} = \quad 1{,}41$$

$$+\frac{9}{7} - \frac{10}{9} = \quad +\frac{81}{63} - \frac{70}{63} = \quad \frac{11}{63} = \quad \frac{11}{63} = \quad 0{,}17$$

$$+\frac{25}{8} + \frac{7}{6} = \quad +\frac{75}{24} + \frac{28}{24} = \quad \frac{103}{24} = \quad \frac{103}{24} = \quad 4{,}29$$

$$+\frac{4}{25} - \frac{50}{9} = \quad +\frac{36}{225} - \frac{1250}{225} = \quad -\frac{1214}{225} = \quad -\frac{1214}{225} = \quad -5{,}4$$

$$-\frac{6}{5} - \frac{10}{9} = \quad -\frac{54}{45} - \frac{50}{45} = \quad -\frac{104}{45} = \quad -\frac{104}{45} \approx -2{,}31$$

$$-\frac{25}{8} + \frac{4}{10} = \quad -\frac{125}{40} + \frac{16}{40} = \quad -\frac{109}{40} = \quad -\frac{109}{40} = \quad -2{,}73$$

$$-\frac{7}{10} - \frac{20}{7} = \quad -\frac{49}{70} - \frac{200}{70} = \quad -\frac{249}{70} = \quad -\frac{249}{70} = \quad -3{,}56$$

$$+\frac{4}{6} + \frac{4}{3} = \quad +\frac{4}{6} + \frac{8}{6} = \quad \frac{12}{6} = \quad \frac{2}{1} = \quad 2$$

$$+\frac{6}{7} + \frac{5}{8} = \quad +\frac{48}{56} + \frac{35}{56} = \quad \frac{83}{56} = \quad \frac{83}{56} = \quad 1{,}48$$

$$+\frac{10}{8} + \frac{5}{7} = \quad +\frac{70}{56} + \frac{40}{56} = \quad \frac{110}{56} = \quad \frac{55}{28} = \quad 1{,}96$$

$$-\frac{8}{9} + \frac{10}{3} = \quad -\frac{8}{9} + \frac{30}{9} = \quad \frac{22}{9} = \quad \frac{22}{9} = \quad 2{,}44$$

$$+\frac{3}{25} - \frac{10}{5} = \quad +\frac{3}{25} - \frac{50}{25} = \quad -\frac{47}{25} = \quad -\frac{47}{25} = \quad -1{,}88$$

$$-\frac{4}{25} + \frac{50}{9} = \quad -\frac{36}{225} + \frac{1250}{225} = \quad \frac{1214}{225} = \quad \frac{1214}{225} \approx 5{,}4$$

$$-\frac{9}{8} + \frac{7}{50} = \quad -\frac{225}{200} + \frac{28}{200} = \quad -\frac{197}{200} = \quad -\frac{197}{200} = \quad -0{,}99$$

$$+\frac{20}{10} + \frac{5}{7} = \quad +\frac{140}{70} + \frac{50}{70} = \quad \frac{190}{70} = \quad \frac{19}{7} = \quad 2{,}71$$

Übung Addition von Bruchzahlen, Hauptnenner, Kürzen, Darstellung als Dezimalzahl

$-\dfrac{10}{50} - \dfrac{4}{20} =$ $-\dfrac{20}{100} - \dfrac{20}{100} =$ $-\dfrac{40}{100} =$ $-\dfrac{2}{5} =$ $-0{,}4$

$+\dfrac{9}{25} - \dfrac{50}{7} =$ $+\dfrac{63}{175} - \dfrac{1250}{175} =$ $-\dfrac{1187}{175} =$ $-\dfrac{1187}{175} \approx$ $-6{,}78$

$+\dfrac{50}{4} + \dfrac{20}{10} =$ $+\dfrac{250}{20} + \dfrac{40}{20} =$ $\dfrac{290}{20} =$ $\dfrac{29}{2} =$ $14{,}5$

$+\dfrac{20}{9} + \dfrac{5}{25} =$ $+\dfrac{500}{225} + \dfrac{45}{225} =$ $\dfrac{545}{225} =$ $\dfrac{109}{45} =$ $2{,}42$

$+\dfrac{6}{4} + \dfrac{10}{25} =$ $+\dfrac{150}{100} + \dfrac{40}{100} =$ $\dfrac{190}{100} =$ $\dfrac{19}{10} =$ $1{,}9$

$+\dfrac{7}{9} - \dfrac{50}{5} =$ $+\dfrac{35}{45} - \dfrac{450}{45} =$ $-\dfrac{415}{45} =$ $-\dfrac{83}{9} \approx$ $-9{,}22$

$+\dfrac{5}{4} - \dfrac{10}{50} =$ $+\dfrac{125}{100} - \dfrac{20}{100} =$ $\dfrac{105}{100} =$ $\dfrac{21}{20} =$ $1{,}05$

$+\dfrac{7}{20} - \dfrac{25}{6} =$ $+\dfrac{21}{60} - \dfrac{250}{60} =$ $-\dfrac{229}{60} =$ $-\dfrac{229}{60} =$ $-3{,}82$

$+\dfrac{4}{25} - \dfrac{8}{20} =$ $+\dfrac{16}{100} - \dfrac{40}{100} =$ $-\dfrac{24}{100} =$ $-\dfrac{6}{25} =$ $-0{,}24$

$-\dfrac{7}{10} + \dfrac{7}{9} =$ $-\dfrac{63}{90} + \dfrac{70}{90} =$ $\dfrac{7}{90} =$ $\dfrac{7}{90} \approx$ $0{,}08$

$+\dfrac{6}{50} + \dfrac{5}{20} =$ $+\dfrac{12}{100} + \dfrac{25}{100} =$ $\dfrac{37}{100} =$ $\dfrac{37}{100} =$ $0{,}37$

$-\dfrac{20}{9} - \dfrac{25}{8} =$ $-\dfrac{160}{72} - \dfrac{225}{72} =$ $-\dfrac{385}{72} =$ $-\dfrac{385}{72} =$ $-5{,}35$

$-\dfrac{7}{4} + \dfrac{20}{10} =$ $-\dfrac{35}{20} + \dfrac{40}{20} =$ $\dfrac{5}{20} =$ $\dfrac{1}{4} =$ $0{,}25$

$+\dfrac{50}{7} - \dfrac{10}{4} =$ $+\dfrac{200}{28} - \dfrac{70}{28} =$ $\dfrac{130}{28} =$ $\dfrac{65}{14} =$ $4{,}64$

$+\dfrac{9}{10} - \dfrac{9}{8} =$ $+\dfrac{36}{40} - \dfrac{45}{40} =$ $-\dfrac{9}{40} =$ $-\dfrac{9}{40} =$ $-0{,}23$

$-\dfrac{10}{6} - \dfrac{25}{4} =$ $-\dfrac{20}{12} - \dfrac{75}{12} =$ $-\dfrac{95}{12} =$ $-\dfrac{95}{12} =$ $-7{,}92$

$-\dfrac{7}{7} + \dfrac{20}{4} =$ $-\dfrac{28}{28} + \dfrac{140}{28} =$ $\dfrac{112}{28} =$ $\dfrac{4}{1} =$ 4

$+\dfrac{9}{4} + \dfrac{25}{8} =$ $+\dfrac{18}{8} + \dfrac{25}{8} =$ $\dfrac{43}{8} =$ $\dfrac{43}{8} \approx$ $5{,}38$

$-\dfrac{9}{3} - \dfrac{9}{6} =$ $-\dfrac{18}{6} - \dfrac{9}{6} =$ $-\dfrac{27}{6} =$ $-\dfrac{9}{2} =$ $-4{,}5$

$-\dfrac{5}{3} - \dfrac{9}{20} =$ $-\dfrac{100}{60} - \dfrac{27}{60} =$ $-\dfrac{127}{60} =$ $-\dfrac{127}{60} \approx$ $-2{,}12$