

Nr.	Aufgabe	Zwischen- rechnung	Ergebnis		
			unecht	gemischt	gekürzt
1	$\frac{3}{16} + \frac{1}{11}$				
	$\frac{3}{16} \cdot \frac{1}{11}$				
	$\frac{3}{16} : \frac{1}{11}$				
2	$\frac{12}{13} + \frac{17}{19}$				
	$\frac{12}{13} \cdot \frac{17}{19}$				
	$\frac{12}{13} : \frac{17}{19}$				
	$\frac{12}{13} : \frac{17}{19}$				
3	$\frac{17}{18} + \frac{1}{1}$				
	$\frac{17}{18} \cdot \frac{1}{1}$				
	$\frac{17}{18} : \frac{1}{1}$				
	$\frac{17}{18} : \frac{1}{1}$				
4	$\frac{9}{14} + \frac{6}{19}$				
	$\frac{9}{14} \cdot \frac{6}{19}$				
	$\frac{9}{14} : \frac{6}{19}$				
	$\frac{9}{14} : \frac{6}{19}$				
5	$\frac{8}{17} + \frac{13}{15}$				
	$\frac{8}{17} \cdot \frac{13}{15}$				
	$\frac{8}{17} : \frac{13}{15}$				
	$\frac{8}{17} : \frac{13}{15}$				
6	$\frac{1}{9} + \frac{4}{19}$				
	$\frac{1}{9} \cdot \frac{4}{19}$				
	$\frac{1}{9} : \frac{4}{19}$				
	$\frac{1}{9} : \frac{4}{19}$				
7	$\frac{1}{8} + \frac{1}{6}$				
	$\frac{1}{8} \cdot \frac{1}{6}$				
	$\frac{1}{8} : \frac{1}{6}$				
	$\frac{1}{8} : \frac{1}{6}$				
8	$\frac{2}{3} + \frac{3}{10}$				
	$\frac{2}{3} \cdot \frac{3}{10}$				
	$\frac{2}{3} : \frac{3}{10}$				
	$\frac{2}{3} : \frac{3}{10}$				
Beispiel	$\frac{2}{5} + \frac{1}{1} = \frac{2}{5} + \frac{5}{5} = \frac{7}{5} = 1 \frac{2}{5} = 1 \frac{2}{5}$				
	$\frac{2}{5} \cdot \frac{1}{1} = \frac{2}{5} = \frac{2}{5} = \frac{2}{5}$				
	$\frac{2}{5} : \frac{1}{1} = \frac{2}{5} \cdot \frac{1}{1} = \frac{2}{5} = \frac{2}{5} = \frac{2}{5}$				
	$\frac{2}{5} : \frac{1}{1} = \frac{2}{5} \cdot \frac{1}{1} = \frac{2}{5} = \frac{2}{5} = \frac{2}{5}$				

Nr.	Aufgabe	Zwischen- rechnung	Ergebnis		
			unecht	gemischt	gekürzt
9	$\frac{3}{4} + \frac{1}{18}$				
	$\frac{3}{4} \cdot \frac{1}{18}$				
	$\frac{3}{4} : \frac{1}{18}$				
10	$\frac{17}{19} + \frac{1}{8}$				
	$\frac{17}{19} \cdot \frac{1}{8}$				
	$\frac{17}{19} : \frac{1}{8}$				
	$\frac{17}{19} : \frac{1}{8}$				
11	$\frac{1}{6} + \frac{1}{1}$				
	$\frac{1}{6} \cdot \frac{1}{1}$				
	$\frac{1}{6} : \frac{1}{1}$				
	$\frac{1}{6} : \frac{1}{1}$				
12	$\frac{11}{12} + \frac{1}{8}$				
	$\frac{11}{12} \cdot \frac{1}{8}$				
	$\frac{11}{12} : \frac{1}{8}$				
	$\frac{11}{12} : \frac{1}{8}$				
13	$\frac{1}{1} + \frac{2}{17}$				
	$\frac{1}{1} \cdot \frac{2}{17}$				
	$\frac{1}{1} : \frac{2}{17}$				
	$\frac{1}{1} : \frac{2}{17}$				
14	$\frac{13}{19} + \frac{1}{13}$				
	$\frac{13}{19} \cdot \frac{1}{13}$				
	$\frac{13}{19} : \frac{1}{13}$				
	$\frac{13}{19} : \frac{1}{13}$				
15	$\frac{12}{13} + \frac{1}{4}$				
	$\frac{12}{13} \cdot \frac{1}{4}$				
	$\frac{12}{13} : \frac{1}{4}$				
	$\frac{12}{13} : \frac{1}{4}$				
16	$\frac{16}{19} + \frac{11}{17}$				
	$\frac{16}{19} \cdot \frac{11}{17}$				
	$\frac{16}{19} : \frac{11}{17}$				
	$\frac{16}{19} : \frac{11}{17}$				

Nr.	Aufgabe	Zwischen- rechnung	Ergebnis		
			unecht	gemischt	gekürzt
1	$\frac{3}{16} + \frac{1}{11} = \frac{33}{176} + \frac{16}{176} = \frac{49}{176} = \frac{49}{176} = \frac{49}{176}$				
	$\frac{3}{16} \cdot \frac{1}{11} = \frac{3}{176} = \frac{3}{176} = \frac{3}{176}$				
	$\frac{3}{16} : \frac{1}{11} = \frac{3}{16} \cdot \frac{11}{1} = \frac{33}{16} = 2 \frac{1}{16} = 2 \frac{1}{16}$				
	$\frac{12}{13} + \frac{17}{19} = \frac{228}{247} + \frac{221}{247} = \frac{449}{247} = 1 \frac{202}{247} = 1 \frac{202}{247}$				
	$\frac{12}{13} \cdot \frac{17}{19} = \frac{204}{247} = \frac{204}{247} = \frac{204}{247}$				
2	$\frac{12}{13} : \frac{17}{19} = \frac{12}{13} \cdot \frac{19}{17} = \frac{228}{221} = 1 \frac{7}{221} = 1 \frac{7}{221}$				
	$\frac{17}{18} + \frac{1}{18} = \frac{17}{18} + \frac{1}{18} = \frac{35}{18} = 1 \frac{17}{18} = 1 \frac{17}{18}$				
	$\frac{17}{18} \cdot \frac{1}{18} = \frac{17}{18} = \frac{17}{18} = \frac{17}{18}$				
	$\frac{17}{18} : \frac{1}{18} = \frac{17}{18} \cdot \frac{1}{1} = \frac{17}{18} = \frac{17}{18} = \frac{17}{18}$				
	$\frac{9}{14} + \frac{6}{19} = \frac{171}{266} + \frac{84}{266} = \frac{255}{266} = \frac{255}{266} = \frac{255}{266}$				
3	$\frac{9}{14} \cdot \frac{6}{19} = \frac{54}{266} = \frac{54}{266} = \frac{27}{133}$				
	$\frac{9}{14} : \frac{6}{19} = \frac{9}{14} \cdot \frac{19}{6} = \frac{171}{84} = 2 \frac{3}{84} = 2 \frac{1}{28}$				
	$\frac{8}{17} + \frac{13}{15} = \frac{120}{255} + \frac{221}{255} = \frac{341}{255} = 1 \frac{86}{255} = 1 \frac{86}{255}$				
	$\frac{8}{17} \cdot \frac{13}{15} = \frac{104}{255} = \frac{104}{255} = \frac{104}{255}$				
	$\frac{8}{17} : \frac{13}{15} = \frac{8}{17} \cdot \frac{15}{13} = \frac{120}{221} = \frac{120}{221} = \frac{120}{221}$				
4	$\frac{1}{9} + \frac{4}{19} = \frac{19}{171} + \frac{36}{171} = \frac{55}{171} = \frac{55}{171} = \frac{55}{171}$				
	$\frac{1}{9} \cdot \frac{4}{19} = \frac{4}{171} = \frac{4}{171} = \frac{4}{171}$				
	$\frac{1}{9} : \frac{4}{19} = \frac{1}{9} \cdot \frac{19}{4} = \frac{19}{36} = \frac{19}{36} = \frac{19}{36}$				
	$\frac{1}{8} + \frac{1}{6} = \frac{3}{24} + \frac{4}{24} = \frac{7}{24} = \frac{7}{24} = \frac{7}{24}$				
	$\frac{1}{8} \cdot \frac{1}{6} = \frac{1}{48} = \frac{1}{48} = \frac{1}{48}$				
5	$\frac{1}{8} : \frac{1}{6} = \frac{1}{8} \cdot \frac{6}{1} = \frac{6}{8} = \frac{3}{4} = \frac{3}{4}$				
	$\frac{2}{3} + \frac{3}{10} = \frac{20}{30} + \frac{9}{30} = \frac{29}{30} = \frac{29}{30} = \frac{29}{30}$				
	$\frac{2}{3} \cdot \frac{3}{10} = \frac{6}{30} = \frac{6}{30} = \frac{1}{5}$				
	$\frac{2}{3} : \frac{3}{10} = \frac{2}{3} \cdot \frac{10}{3} = \frac{20}{9} = 2 \frac{2}{9} = 2 \frac{2}{9}$				
	$\frac{16}{19} + \frac{1}{17} = \frac{272}{323} + \frac{209}{323} = \frac{481}{323} = 1 \frac{158}{323} = 1 \frac{158}{323}$				
6	$\frac{16}{19} \cdot \frac{11}{17} = \frac{176}{323} = \frac{176}{323} = \frac{176}{323}$				
	$\frac{16}{19} : \frac{11}{17} = \frac{16}{19} \cdot \frac{17}{11} = \frac{272}{209} = 1 \frac{63}{209} = 1 \frac{63}{209}$				
	$\frac{11}{19} + \frac{1}{18} = \frac{136}{152} + \frac{19}{152} = \frac{155}{152} = 1 \frac{3}{152} = 1 \frac{3}{152}$				
	$\frac{11}{19} \cdot \frac{1}{18} = \frac{11}{171} = \frac{11}{171} = \frac{11}{171}$				
	$\frac{11}{19} : \frac{1}{18} = \frac{11}{19} \cdot \frac{18}{1} = \frac{198}{19} = 10 \frac{8}{19} = 10 \frac{8}{19}$				
7	$\frac{17}{19} + \frac{1}{8} = \frac{136}{152} + \frac{19}{152} = \frac{155}{152} = 1 \frac{3}{152} = 1 \frac{3}{152}$				
	$\frac{17}{19} \cdot \frac{1}{8} = \frac{17}{152} = \frac{17}{152} = \frac{17}{152}$				
	$\frac{17}{19} : \frac{1}{8} = \frac{17}{19} \cdot \frac{8}{1} = \frac{136}{19} = 7 \frac{3}{19} = 7 \frac{3}{19}$				
	$\frac{1}{6} + \frac{1}{6} = \frac{1}{6} + \frac{1}{6} = \frac{2}{6} = \frac{1}{3} = \frac{1}{3}$				
	$\frac{1}{6} \cdot \frac{1}{6} = \frac{1}{36} = \frac{1}{36} = \frac{1}{36}$				
8	$\frac{1}{6} : \frac{1}{6} = \frac{1}{6} \cdot \frac{6}{1} = \frac{6}{6} = 1 = 1$				
	$\frac{11}{12} + \frac{1}{8} = \frac{22}{24} + \frac{3}{24} = \frac{25}{24} = 1 \frac{1}{24} = 1 \frac{1}{24}$				
	$\frac{11}{12} \cdot \frac{1}{8} = \frac{11}{96} = \frac{11}{96} = \frac{11}{96}$				
	$\frac{11}{12} : \frac{1}{8} = \frac{11}{12} \cdot \frac{8}{1} = \frac{88}{12} = 7 \frac{4}{12} = 7 \frac{1}{3}$				
	$\frac{1}{1} + \frac{2}{17} = \frac{17}{17} + \frac{2}{17} = \frac{19}{17} = 1 \frac{2}{17} = 1 \frac{2}{17}$				
9	$\frac{1}{1} \cdot \frac{2}{17} = \frac{2}{17} = \frac{2}{17} = \frac{2}{17}$				
	$\frac{1}{1} : \frac{2}{17} = \frac{1}{1} \cdot \frac{17}{2} = \frac{17}{2} = 8 \frac{1}{2} = 8 \frac{1}{2}$				
	$\frac{13}{19} + \frac{1}{13} = \frac{169}{247} + \frac{19}{247} = \frac{188}{247} = \frac{188}{247} = \frac{188}{247}$				
	$\frac{13}{19} \cdot \frac{1}{13} = \frac{13}{247} = \frac{13}{247} = \frac{13}{247}$				
	$\frac{13}{19} : \frac{1}{13} = \frac{13}{19} \cdot \frac{13}{1} = \frac{169}{19} = 8 \frac{17}{19} = 8 \frac{17}{19}$				
10	$\frac{12}{13} + \frac{1}{4} = \frac{48}{52} + \frac{13}{52} = \frac{61}{52} = 1 \frac{9}{52} = 1 \frac{9}{52}$				
	$\frac{12}{13} \cdot \frac{1}{4} = \frac{12}{52} = \frac{12}{52} = \frac{3}{13}$				
	$\frac{12}{13} : \frac{1}{4} = \frac{12}{13} \cdot \frac{4}{1} = \frac{48}{13} = 3 \frac{9}{13} = 3 \frac{9}{13}$				
	$\frac{16}{19} + \frac{11}{17} = \frac{272}{323} + \frac{209}{323} = \frac{481}{323} = 1 \frac{158}{323} = 1 \frac{158}{323}$				
	$\frac{16}{19} \cdot \frac{11}{17} = \frac{176}{323} = \frac{176}{323} = \frac{176}{323}$				
11	$\frac{16}{19} : \frac{11}{17} = \frac{16}{19} \cdot \frac{17}{11} = \frac{272}{209} = 1 \frac{63}{209} = 1 \frac{63}{209}$				

Nr.	Aufgabe	Zwischen- rechnung	Ergebnis		
			unecht	gemischt	gekürzt
9	$\frac{3}{4} + \frac{1}{18} = \frac{27}{36} + \frac{2}{36} = \frac{29}{36} = \frac{29}{36} = \frac{29}{36}$				
	$\frac{3}{4} \cdot \frac{1}{18} = \frac{3}{72} = \frac{3}{72} = \frac{1}{24}$				
	$\frac{3}{4} : \frac{1}{18} = \frac{3}{4} \cdot \frac{18}{1} = \frac{54}{4} = 13 \frac{2}{4} = 13 \frac{1}{2}$				
	$\frac{17}{19} + \frac{1}{8} = \frac{136}{152} + \frac{19}{152} = \frac{155}{152} = 1 \frac{3}{152} = 1 \frac{3}{152}$				
	$\frac{17}{19} \cdot \frac{1}{8} = \frac{17}{152} = \frac{17}{152} = \frac{17}{152}$				
10	$\frac{17}{19} : \frac{1}{8} = \frac{17}{19} \cdot \frac{8}{1} = \frac{136}{19} = 7 \frac{3}{19} = 7 \frac{3}{19}$				
	$\frac{1}{6} + \frac{1}{6} = \frac{1}{6} + \frac{1}{6} = \frac{2}{6} = \frac{1}{3} = \frac{1}{3}$				
	$\frac{1}{6} \cdot \frac{1}{6} = \frac{1}{36} = \frac{1}{36} = \frac{1}{36}$				
	$\frac{1}{6} : \frac{1}{6} = \frac{1}{6} \cdot \frac{6}{1} = \frac{6}{6} = 1 = 1$				
	$\frac{11}{12} + \frac{1}{8} = \frac{22}{24} + \frac{3}{24} = \frac{25}{24} = 1 \frac{1}{24} = 1 \frac{1}{24}$				
11	$\frac{11}{12} \cdot \frac{1}{8} = \frac{11}{96} = \frac{11}{96} = \frac{11}{96}$				
	$\frac{11}{12} : \frac{1}{8} = \frac{11}{12} \cdot \frac{8}{1} = \frac{88}{12} = 7 \frac{4}{12} = 7 \frac{1}{3}$				
	$\frac{1}{1} + \frac{2}{17} = \frac{17}{17} + \frac{2}{17} = \frac{19}{17} = 1 \frac{2}{17} = 1 \frac{2}{17}$				
	$\frac{1}{1} \cdot \frac{2}{17} = \frac{2}{17} = \frac{2}{17} = \frac{2}{17}$				
	$\frac{1}{1} : \frac{2}{17} = \frac{1}{1} \cdot \frac{17}{2} = \frac{17}{2} = 8 \frac{1}{2} = 8 \frac{1}{2}$				
12	$\frac{13}{19} + \frac{1}{13} = \frac{169}{247} + \frac{19}{247} = \frac{188}{247} = \frac{188}{247} = \frac{188}{247}$				
	$\frac{13}{19} \cdot \frac{1}{13} = \frac{13}{247} = \frac{13}{247} = \frac{13}{247}$				
	$\frac{13}{19} : \frac{1}{13} = \frac{13}{19} \cdot \frac{13}{1} = \frac{169}{19} = 8 \frac{17}{19} = 8 \frac{17}{19}$				
	$\frac{12}{13} + \frac{1}{4} = \frac{48}{52} + \frac{13}{52} = \frac{61}{52} = 1 \frac{9}{52} = 1 \frac{9}{52}$				
	$\frac{12}{13} \cdot \frac{1}{4} = \frac{12}{52} = \frac{12}{52} = \frac{3}{13}$				
13	$\frac{12}{13} : \frac{1}{4} = \frac{12}{13} \cdot \frac{4}{1} = \frac{48}{13} = 3 \frac{9}{13} = 3 \frac{9}{13}$				
	$\frac{16}{19} + \frac{11}{17} = \frac{272}{323} + \frac{209}{323} = \frac{481}{323} = 1 \frac{158}{323} = 1 \frac{158}{323}$				
	$\frac{16}{19} \cdot \frac{11}{17} = \frac{176}{323} = \frac{176}{323} = \frac{176}{323}$				
	$\frac{16}{19} : \frac{11}{17} = \frac{16}{19} \cdot \frac{17}{11} = \frac{272}{209} = 1 \frac{63}{209} = 1 \frac{63}{209}$				