

Ergänze die fehlenden Zähler und Nenner (erst kürzen, dann erweitern):

① a) $\frac{33}{78} = \frac{\quad}{52}$ b) $\frac{7}{14} = \frac{3}{\quad}$ c) $\frac{13}{91} = \frac{\quad}{35}$ d) $\frac{50}{90} = \frac{20}{\quad}$

e) $\frac{13}{78} = \frac{\quad}{12}$ f) $\frac{55}{88} = \frac{30}{\quad}$ g) $\frac{32}{88} = \frac{\quad}{33}$ h) $\frac{68}{76} = \frac{51}{\quad}$

② a) $\frac{42}{49} = \frac{\quad}{42}$ b) $\frac{7}{63} = \frac{2}{\quad}$ c) $\frac{48}{56} = \frac{\quad}{49}$ d) $\frac{30}{48} = \frac{25}{\quad}$

e) $\frac{2}{62} = \frac{\quad}{93}$ f) $\frac{17}{85} = \frac{2}{\quad}$ g) $\frac{44}{50} = \frac{\quad}{75}$ h) $\frac{72}{90} = \frac{16}{\quad}$

③ a) $\frac{15}{69} = \frac{\quad}{46}$ b) $\frac{4}{42} = \frac{6}{\quad}$ c) $\frac{48}{93} = \frac{\quad}{62}$ d) $\frac{32}{48} = \frac{12}{\quad}$

e) $\frac{47}{94} = \frac{\quad}{10}$ f) $\frac{14}{91} = \frac{10}{\quad}$ g) $\frac{9}{81} = \frac{\quad}{36}$ h) $\frac{40}{75} = \frac{48}{\quad}$

④ a) $\frac{9}{63} = \frac{\quad}{14}$ b) $\frac{12}{38} = \frac{30}{\quad}$ c) $\frac{20}{55} = \frac{\quad}{77}$ d) $\frac{56}{76} = \frac{70}{\quad}$

e) $\frac{32}{66} = \frac{\quad}{99}$ f) $\frac{31}{62} = \frac{7}{\quad}$ g) $\frac{21}{54} = \frac{\quad}{90}$ h) $\frac{14}{34} = \frac{35}{\quad}$

⑤ a) $\frac{18}{40} = \frac{\quad}{60}$ b) $\frac{12}{22} = \frac{42}{\quad}$ c) $\frac{54}{60} = \frac{\quad}{70}$ d) $\frac{24}{40} = \frac{9}{\quad}$

e) $\frac{30}{33} = \frac{\quad}{44}$ f) $\frac{8}{52} = \frac{6}{\quad}$ g) $\frac{84}{92} = \frac{\quad}{69}$ h) $\frac{56}{80} = \frac{21}{\quad}$

Ergänze die fehlenden Zähler und Nenner (erst kürzen, dann erweitern):

① a) $\frac{33}{78} = \frac{22}{52}$ b) $\frac{7}{14} = \frac{3}{6}$ c) $\frac{13}{91} = \frac{5}{35}$ d) $\frac{50}{90} = \frac{20}{36}$

e) $\frac{13}{78} = \frac{2}{12}$ f) $\frac{55}{88} = \frac{30}{48}$ g) $\frac{32}{88} = \frac{12}{33}$ h) $\frac{68}{76} = \frac{51}{57}$

② a) $\frac{42}{49} = \frac{36}{42}$ b) $\frac{7}{63} = \frac{2}{18}$ c) $\frac{48}{56} = \frac{42}{49}$ d) $\frac{30}{48} = \frac{25}{40}$

e) $\frac{2}{62} = \frac{3}{93}$ f) $\frac{17}{85} = \frac{2}{10}$ g) $\frac{44}{50} = \frac{66}{75}$ h) $\frac{72}{90} = \frac{16}{20}$

③ a) $\frac{15}{69} = \frac{10}{46}$ b) $\frac{4}{42} = \frac{6}{63}$ c) $\frac{48}{93} = \frac{32}{62}$ d) $\frac{32}{48} = \frac{12}{18}$

e) $\frac{47}{94} = \frac{5}{10}$ f) $\frac{14}{91} = \frac{10}{65}$ g) $\frac{9}{81} = \frac{4}{36}$ h) $\frac{40}{75} = \frac{48}{90}$

④ a) $\frac{9}{63} = \frac{2}{14}$ b) $\frac{12}{38} = \frac{30}{95}$ c) $\frac{20}{55} = \frac{28}{77}$ d) $\frac{56}{76} = \frac{70}{95}$

e) $\frac{32}{66} = \frac{48}{99}$ f) $\frac{31}{62} = \frac{7}{14}$ g) $\frac{21}{54} = \frac{35}{90}$ h) $\frac{14}{34} = \frac{35}{85}$

⑤ a) $\frac{18}{40} = \frac{27}{60}$ b) $\frac{12}{22} = \frac{42}{77}$ c) $\frac{54}{60} = \frac{63}{70}$ d) $\frac{24}{40} = \frac{9}{15}$

e) $\frac{30}{33} = \frac{40}{44}$ f) $\frac{8}{52} = \frac{6}{39}$ g) $\frac{84}{92} = \frac{63}{69}$ h) $\frac{56}{80} = \frac{21}{30}$