

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

① a) $\frac{10}{56} = \frac{\quad}{84}$ b) $\frac{49}{91} = \frac{21}{\quad}$ c) $\frac{45}{54} = \frac{\quad}{30}$ d) $\frac{7}{49} = \frac{3}{\quad}$

e) $\frac{40}{85} = \frac{\quad}{68}$ f) $\frac{9}{99} = \frac{5}{\quad}$ g) $\frac{22}{77} = \frac{\quad}{35}$ h) $\frac{38}{76} = \frac{3}{\quad}$

② a) $\frac{45}{81} = \frac{\quad}{63}$ b) $\frac{65}{78} = \frac{10}{\quad}$ c) $\frac{52}{78} = \frac{\quad}{15}$ d) $\frac{39}{65} = \frac{18}{\quad}$

e) $\frac{32}{96} = \frac{\quad}{15}$ f) $\frac{48}{51} = \frac{64}{\quad}$ g) $\frac{3}{45} = \frac{\quad}{75}$ h) $\frac{60}{80} = \frac{21}{\quad}$

③ a) $\frac{21}{91} = \frac{\quad}{78}$ b) $\frac{21}{42} = \frac{4}{\quad}$ c) $\frac{34}{51} = \frac{\quad}{12}$ d) $\frac{8}{64} = \frac{5}{\quad}$

e) $\frac{20}{25} = \frac{\quad}{30}$ f) $\frac{52}{96} = \frac{39}{\quad}$ g) $\frac{29}{58} = \frac{\quad}{12}$ h) $\frac{20}{36} = \frac{35}{\quad}$

④ a) $\frac{24}{93} = \frac{\quad}{62}$ b) $\frac{15}{70} = \frac{6}{\quad}$ c) $\frac{33}{99} = \frac{\quad}{6}$ d) $\frac{45}{99} = \frac{35}{\quad}$

e) $\frac{20}{88} = \frac{\quad}{66}$ f) $\frac{30}{60} = \frac{7}{\quad}$ g) $\frac{10}{24} = \frac{\quad}{84}$ h) $\frac{3}{21} = \frac{5}{\quad}$

⑤ a) $\frac{40}{66} = \frac{\quad}{99}$ b) $\frac{70}{77} = \frac{40}{\quad}$ c) $\frac{25}{80} = \frac{\quad}{32}$ d) $\frac{63}{66} = \frac{42}{\quad}$

e) $\frac{5}{65} = \frac{\quad}{39}$ f) $\frac{21}{93} = \frac{14}{\quad}$ g) $\frac{57}{63} = \frac{\quad}{42}$ h) $\frac{42}{77} = \frac{12}{\quad}$

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

- ① a) $\frac{10}{56} = \frac{15}{84}$ b) $\frac{49}{91} = \frac{21}{39}$ c) $\frac{45}{54} = \frac{25}{30}$ d) $\frac{7}{49} = \frac{3}{21}$
- e) $\frac{40}{85} = \frac{32}{68}$ f) $\frac{9}{99} = \frac{5}{55}$ g) $\frac{22}{77} = \frac{10}{35}$ h) $\frac{38}{76} = \frac{3}{6}$
- ② a) $\frac{45}{81} = \frac{35}{63}$ b) $\frac{65}{78} = \frac{10}{12}$ c) $\frac{52}{78} = \frac{10}{15}$ d) $\frac{39}{65} = \frac{18}{30}$
- e) $\frac{32}{96} = \frac{5}{15}$ f) $\frac{48}{51} = \frac{64}{68}$ g) $\frac{3}{45} = \frac{5}{75}$ h) $\frac{60}{80} = \frac{21}{28}$
- ③ a) $\frac{21}{91} = \frac{18}{78}$ b) $\frac{21}{42} = \frac{4}{8}$ c) $\frac{34}{51} = \frac{8}{12}$ d) $\frac{8}{64} = \frac{5}{40}$
- e) $\frac{20}{25} = \frac{24}{30}$ f) $\frac{52}{96} = \frac{39}{72}$ g) $\frac{29}{58} = \frac{6}{12}$ h) $\frac{20}{36} = \frac{35}{63}$
- ④ a) $\frac{24}{93} = \frac{16}{62}$ b) $\frac{15}{70} = \frac{6}{28}$ c) $\frac{33}{99} = \frac{2}{6}$ d) $\frac{45}{99} = \frac{35}{77}$
- e) $\frac{20}{88} = \frac{15}{66}$ f) $\frac{30}{60} = \frac{7}{14}$ g) $\frac{10}{24} = \frac{35}{84}$ h) $\frac{3}{21} = \frac{5}{35}$
- ⑤ a) $\frac{40}{66} = \frac{60}{99}$ b) $\frac{70}{77} = \frac{40}{44}$ c) $\frac{25}{80} = \frac{10}{32}$ d) $\frac{63}{66} = \frac{42}{44}$
- e) $\frac{5}{65} = \frac{3}{39}$ f) $\frac{21}{93} = \frac{14}{62}$ g) $\frac{57}{63} = \frac{38}{42}$ h) $\frac{42}{77} = \frac{12}{22}$