

**Brüche kürzen
und erweitern (knifflig)**

Variante 7

Klasse: _____ Datum: _____

Blatt 3

Name: _____

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

① a) $\frac{36}{52} = \frac{\quad}{65}$ b) $\frac{77}{88} = \frac{35}{\quad}$ c) $\frac{64}{96} = \frac{\quad}{9}$ d) $\frac{40}{88} = \frac{30}{\quad}$

e) $\frac{14}{70} = \frac{\quad}{20}$ f) $\frac{32}{38} = \frac{48}{\quad}$ g) $\frac{50}{80} = \frac{\quad}{48}$ h) $\frac{28}{52} = \frac{49}{\quad}$

② a) $\frac{44}{72} = \frac{\quad}{90}$ b) $\frac{63}{98} = \frac{36}{\quad}$ c) $\frac{33}{39} = \frac{\quad}{91}$ d) $\frac{36}{84} = \frac{15}{\quad}$

e) $\frac{10}{38} = \frac{\quad}{95}$ f) $\frac{65}{75} = \frac{52}{\quad}$ g) $\frac{24}{52} = \frac{\quad}{65}$ h) $\frac{70}{98} = \frac{30}{\quad}$

③ a) $\frac{52}{65} = \frac{\quad}{20}$ b) $\frac{55}{65} = \frac{44}{\quad}$ c) $\frac{27}{72} = \frac{\quad}{56}$ d) $\frac{2}{8} = \frac{7}{\quad}$

e) $\frac{20}{85} = \frac{\quad}{68}$ f) $\frac{18}{84} = \frac{21}{\quad}$ g) $\frac{30}{75} = \frac{\quad}{35}$ h) $\frac{14}{24} = \frac{35}{\quad}$

④ a) $\frac{15}{18} = \frac{\quad}{12}$ b) $\frac{20}{40} = \frac{3}{\quad}$ c) $\frac{22}{88} = \frac{\quad}{16}$ d) $\frac{63}{84} = \frac{12}{\quad}$

e) $\frac{10}{20} = \frac{\quad}{6}$ f) $\frac{24}{66} = \frac{28}{\quad}$ g) $\frac{4}{60} = \frac{\quad}{45}$ h) $\frac{22}{64} = \frac{33}{\quad}$

⑤ a) $\frac{91}{98} = \frac{\quad}{42}$ b) $\frac{2}{34} = \frac{5}{\quad}$ c) $\frac{21}{66} = \frac{\quad}{88}$ d) $\frac{45}{95} = \frac{27}{\quad}$

e) $\frac{35}{70} = \frac{\quad}{8}$ f) $\frac{25}{50} = \frac{4}{\quad}$ g) $\frac{48}{58} = \frac{\quad}{87}$ h) $\frac{26}{38} = \frac{39}{\quad}$

Quelle: www.matheaufgaben.net/arbeitsblaetter/brueche-dezimalzahlen/bruch-kuerzen-erweitern-knifflig/

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

① a) $\frac{36}{52} = \frac{45}{65}$ b) $\frac{77}{88} = \frac{35}{40}$ c) $\frac{64}{96} = \frac{6}{9}$ d) $\frac{40}{88} = \frac{30}{66}$

e) $\frac{14}{70} = \frac{4}{20}$ f) $\frac{32}{38} = \frac{48}{57}$ g) $\frac{50}{80} = \frac{30}{48}$ h) $\frac{28}{52} = \frac{49}{91}$

② a) $\frac{44}{72} = \frac{55}{90}$ b) $\frac{63}{98} = \frac{36}{56}$ c) $\frac{33}{39} = \frac{77}{91}$ d) $\frac{36}{84} = \frac{15}{35}$

e) $\frac{10}{38} = \frac{25}{95}$ f) $\frac{65}{75} = \frac{52}{60}$ g) $\frac{24}{52} = \frac{30}{65}$ h) $\frac{70}{98} = \frac{30}{42}$

③ a) $\frac{52}{65} = \frac{16}{20}$ b) $\frac{55}{65} = \frac{44}{52}$ c) $\frac{27}{72} = \frac{21}{56}$ d) $\frac{2}{8} = \frac{7}{28}$

e) $\frac{20}{85} = \frac{16}{68}$ f) $\frac{18}{84} = \frac{21}{98}$ g) $\frac{30}{75} = \frac{14}{35}$ h) $\frac{14}{24} = \frac{35}{60}$

④ a) $\frac{15}{18} = \frac{10}{12}$ b) $\frac{20}{40} = \frac{3}{6}$ c) $\frac{22}{88} = \frac{4}{16}$ d) $\frac{63}{84} = \frac{12}{16}$

e) $\frac{10}{20} = \frac{3}{6}$ f) $\frac{24}{66} = \frac{28}{77}$ g) $\frac{4}{60} = \frac{3}{45}$ h) $\frac{22}{64} = \frac{33}{96}$

⑤ a) $\frac{91}{98} = \frac{39}{42}$ b) $\frac{2}{34} = \frac{5}{85}$ c) $\frac{21}{66} = \frac{28}{88}$ d) $\frac{45}{95} = \frac{27}{57}$

e) $\frac{35}{70} = \frac{4}{8}$ f) $\frac{25}{50} = \frac{4}{8}$ g) $\frac{48}{58} = \frac{72}{87}$ h) $\frac{26}{38} = \frac{39}{57}$