Brüche kürzen und erweitern | Variante **6** | Blatt **1** | Klasse: ____ | Datum: _____ | Name: _____

Ergänze die fehlenden Zähler und Nenner:

1

a) $\frac{1}{8} = \frac{\quad}{40}$ b) $\frac{33}{63} = \frac{11}{\quad}$ c) $\frac{20}{32} = \frac{\quad}{8}$ d) $\frac{84}{94} = \frac{42}{\quad}$

e) $\frac{42}{64} = \frac{\quad}{32}$ f) $\frac{6}{22} = \frac{3}{\quad}$ g) $\frac{38}{46} = \frac{\quad}{23}$ h) $\frac{57}{76} = \frac{3}{\quad}$

2

a) $\frac{14}{22} = \frac{\quad}{11}$ b) $\frac{38}{88} = \frac{19}{\quad}$ c) $\frac{3}{63} = \frac{\quad}{21}$ d) $\frac{52}{80} = \frac{13}{\quad}$

e) $\frac{20}{66} = \frac{\quad}{33}$ f) $\frac{60}{64} = \frac{15}{\quad}$ g) $\frac{15}{44} = \frac{\quad}{88}$ h) $\frac{70}{98} = \frac{5}{\quad}$

3

a) $\frac{8}{86} = \frac{\quad}{43}$ b) $\frac{14}{91} = \frac{2}{\quad}$ c) $\frac{38}{56} = \frac{\quad}{28}$ d) $\frac{45}{81} = \frac{5}{\quad}$

e) $\frac{42}{46} = \frac{\quad}{23}$ f) $\frac{60}{86} = \frac{30}{\quad}$ g) $\frac{6}{92} = \frac{\quad}{46}$ h) $\frac{75}{84} = \frac{25}{\quad}$

4

a) $\frac{46}{90} = \frac{\quad}{45}$ b) $\frac{30}{69} = \frac{10}{\quad}$ c) $\frac{6}{26} = \frac{\quad}{13}$ d) $\frac{18}{21} = \frac{6}{\quad}$

e) $\frac{10}{62} = \frac{\quad}{31}$ f) $\frac{8}{26} = \frac{4}{\quad}$ g) $\frac{29}{38} = \frac{\quad}{76}$ h) $\frac{84}{91} = \frac{12}{\quad}$

5

a) $\frac{40}{94} = \frac{\quad}{47}$ b) $\frac{4}{42} = \frac{2}{\quad}$ c) $\frac{51}{85} = \frac{\quad}{5}$ d) $\frac{19}{27} = \frac{57}{\quad}$

e) $\frac{44}{56} = \frac{\quad}{14}$ f) $\frac{4}{8} = \frac{1}{\quad}$ g) $\frac{8}{68} = \frac{\quad}{17}$ h) $\frac{13}{21} = \frac{39}{\quad}$

Brüche kürzen und erweitern

Variante **6**

Blatt **1**

... Lösungen ...

Ergänze die fehlenden Zähler und Nenner:

1

a) $\frac{1}{8} = \frac{5}{40}$ b) $\frac{33}{63} = \frac{11}{21}$ c) $\frac{20}{32} = \frac{5}{8}$ d) $\frac{84}{94} = \frac{42}{47}$

e) $\frac{42}{64} = \frac{21}{32}$ f) $\frac{6}{22} = \frac{3}{11}$ g) $\frac{38}{46} = \frac{19}{23}$ h) $\frac{57}{76} = \frac{3}{4}$

2

a) $\frac{14}{22} = \frac{7}{11}$ b) $\frac{38}{88} = \frac{19}{44}$ c) $\frac{3}{63} = \frac{1}{21}$ d) $\frac{52}{80} = \frac{13}{20}$

e) $\frac{20}{66} = \frac{10}{33}$ f) $\frac{60}{64} = \frac{15}{16}$ g) $\frac{15}{44} = \frac{30}{88}$ h) $\frac{70}{98} = \frac{5}{7}$

3

a) $\frac{8}{86} = \frac{4}{43}$ b) $\frac{14}{91} = \frac{2}{13}$ c) $\frac{38}{56} = \frac{19}{28}$ d) $\frac{45}{81} = \frac{5}{9}$

e) $\frac{42}{46} = \frac{21}{23}$ f) $\frac{60}{86} = \frac{30}{43}$ g) $\frac{6}{92} = \frac{3}{46}$ h) $\frac{75}{84} = \frac{25}{28}$

4

a) $\frac{46}{90} = \frac{23}{45}$ b) $\frac{30}{69} = \frac{10}{23}$ c) $\frac{6}{26} = \frac{3}{13}$ d) $\frac{18}{21} = \frac{6}{7}$

e) $\frac{10}{62} = \frac{5}{31}$ f) $\frac{8}{26} = \frac{4}{13}$ g) $\frac{29}{38} = \frac{58}{76}$ h) $\frac{84}{91} = \frac{12}{13}$

5

a) $\frac{40}{94} = \frac{20}{47}$ b) $\frac{4}{42} = \frac{2}{21}$ c) $\frac{51}{85} = \frac{3}{5}$ d) $\frac{19}{27} = \frac{57}{81}$

e) $\frac{44}{56} = \frac{11}{14}$ f) $\frac{4}{8} = \frac{1}{2}$ g) $\frac{8}{68} = \frac{2}{17}$ h) $\frac{13}{21} = \frac{39}{63}$