Brüche kürzen und erweitern | Variante **6** | Blatt **19** | Klasse: ____ | Datum: _____ | Name: _____

Ergänze die fehlenden Zähler und Nenner:

1

a) $\frac{28}{54} = \frac{\quad}{27}$ b) $\frac{22}{94} = \frac{11}{\quad}$ c) $\frac{58}{80} = \frac{\quad}{40}$ d) $\frac{57}{93} = \frac{19}{\quad}$

e) $\frac{48}{58} = \frac{\quad}{29}$ f) $\frac{45}{80} = \frac{9}{\quad}$ g) $\frac{46}{56} = \frac{\quad}{28}$ h) $\frac{10}{28} = \frac{5}{\quad}$

2

a) $\frac{8}{46} = \frac{\quad}{23}$ b) $\frac{44}{94} = \frac{22}{\quad}$ c) $\frac{22}{46} = \frac{\quad}{23}$ d) $\frac{34}{40} = \frac{17}{\quad}$

e) $\frac{3}{5} = \frac{\quad}{10}$ f) $\frac{55}{66} = \frac{5}{\quad}$ g) $\frac{10}{30} = \frac{\quad}{3}$ h) $\frac{26}{58} = \frac{13}{\quad}$

3

a) $\frac{42}{60} = \frac{\quad}{10}$ b) $\frac{18}{86} = \frac{9}{\quad}$ c) $\frac{63}{90} = \frac{\quad}{10}$ d) $\frac{49}{56} = \frac{7}{\quad}$

e) $\frac{10}{85} = \frac{\quad}{17}$ f) $\frac{20}{46} = \frac{10}{\quad}$ g) $\frac{42}{80} = \frac{\quad}{40}$ h) $\frac{49}{77} = \frac{7}{\quad}$

4

a) $\frac{15}{55} = \frac{\quad}{11}$ b) $\frac{28}{40} = \frac{7}{\quad}$ c) $\frac{7}{43} = \frac{\quad}{86}$ d) $\frac{9}{13} = \frac{54}{\quad}$

e) $\frac{70}{85} = \frac{\quad}{17}$ f) $\frac{14}{88} = \frac{7}{\quad}$ g) $\frac{16}{94} = \frac{\quad}{47}$ h) $\frac{19}{76} = \frac{1}{\quad}$

5

a) $\frac{27}{66} = \frac{\quad}{22}$ b) $\frac{46}{69} = \frac{2}{\quad}$ c) $\frac{35}{45} = \frac{\quad}{9}$ d) $\frac{58}{66} = \frac{29}{\quad}$

e) $\frac{24}{33} = \frac{\quad}{11}$ f) $\frac{72}{92} = \frac{18}{\quad}$ g) $\frac{15}{96} = \frac{\quad}{32}$ h) $\frac{24}{99} = \frac{8}{\quad}$

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

Brüche kürzen und erweitern

Variante **6**

Blatt **19**

... Lösungen ...

Ergänze die fehlenden Zähler und Nenner:

1

a) $\frac{28}{54} = \frac{14}{27}$ b) $\frac{22}{94} = \frac{11}{47}$ c) $\frac{58}{80} = \frac{29}{40}$ d) $\frac{57}{93} = \frac{19}{31}$

e) $\frac{48}{58} = \frac{24}{29}$ f) $\frac{45}{80} = \frac{9}{16}$ g) $\frac{46}{56} = \frac{23}{28}$ h) $\frac{10}{28} = \frac{5}{14}$

2

a) $\frac{8}{46} = \frac{4}{23}$ b) $\frac{44}{94} = \frac{22}{47}$ c) $\frac{22}{46} = \frac{11}{23}$ d) $\frac{34}{40} = \frac{17}{20}$

e) $\frac{3}{5} = \frac{6}{10}$ f) $\frac{55}{66} = \frac{5}{6}$ g) $\frac{10}{30} = \frac{1}{3}$ h) $\frac{26}{58} = \frac{13}{29}$

3

a) $\frac{42}{60} = \frac{7}{10}$ b) $\frac{18}{86} = \frac{9}{43}$ c) $\frac{63}{90} = \frac{7}{10}$ d) $\frac{49}{56} = \frac{7}{8}$

e) $\frac{10}{85} = \frac{2}{17}$ f) $\frac{20}{46} = \frac{10}{23}$ g) $\frac{42}{80} = \frac{21}{40}$ h) $\frac{49}{77} = \frac{7}{11}$

4

a) $\frac{15}{55} = \frac{3}{11}$ b) $\frac{28}{40} = \frac{7}{10}$ c) $\frac{7}{43} = \frac{14}{86}$ d) $\frac{9}{13} = \frac{54}{78}$

e) $\frac{70}{85} = \frac{14}{17}$ f) $\frac{14}{88} = \frac{7}{44}$ g) $\frac{16}{94} = \frac{8}{47}$ h) $\frac{19}{76} = \frac{1}{4}$

5

a) $\frac{27}{66} = \frac{9}{22}$ b) $\frac{46}{69} = \frac{2}{3}$ c) $\frac{35}{45} = \frac{7}{9}$ d) $\frac{58}{66} = \frac{29}{33}$

e) $\frac{24}{33} = \frac{8}{11}$ f) $\frac{72}{92} = \frac{18}{23}$ g) $\frac{15}{96} = \frac{5}{32}$ h) $\frac{24}{99} = \frac{8}{33}$