Brüche kürzen und erweitern | Variante **6** | Blatt **31** | Klasse: ____ | Datum: _____ | Name: _____

Ergänze die fehlenden Zähler und Nenner:

1

a) $\frac{57}{95} = \frac{\quad}{5}$ b) $\frac{12}{36} = \frac{1}{\quad}$ c) $\frac{11}{30} = \frac{\quad}{60}$ d) $\frac{6}{10} = \frac{3}{\quad}$

e) $\frac{8}{34} = \frac{\quad}{17}$ f) $\frac{57}{96} = \frac{19}{\quad}$ g) $\frac{32}{78} = \frac{\quad}{39}$ h) $\frac{27}{75} = \frac{9}{\quad}$

2

a) $\frac{18}{26} = \frac{\quad}{13}$ b) $\frac{39}{45} = \frac{13}{\quad}$ c) $\frac{52}{91} = \frac{\quad}{7}$ d) $\frac{11}{19} = \frac{33}{\quad}$

e) $\frac{42}{90} = \frac{\quad}{15}$ f) $\frac{14}{64} = \frac{7}{\quad}$ g) $\frac{18}{64} = \frac{\quad}{32}$ h) $\frac{56}{60} = \frac{14}{\quad}$

3

a) $\frac{12}{33} = \frac{\quad}{11}$ b) $\frac{54}{74} = \frac{27}{\quad}$ c) $\frac{48}{87} = \frac{\quad}{29}$ d) $\frac{60}{95} = \frac{12}{\quad}$

e) $\frac{4}{22} = \frac{\quad}{11}$ f) $\frac{24}{78} = \frac{4}{\quad}$ g) $\frac{45}{93} = \frac{\quad}{31}$ h) $\frac{3}{46} = \frac{6}{\quad}$

4

a) $\frac{54}{93} = \frac{\quad}{31}$ b) $\frac{62}{64} = \frac{31}{\quad}$ c) $\frac{62}{86} = \frac{\quad}{43}$ d) $\frac{16}{38} = \frac{8}{\quad}$

e) $\frac{9}{81} = \frac{\quad}{9}$ f) $\frac{20}{21} = \frac{60}{\quad}$ g) $\frac{20}{25} = \frac{\quad}{5}$ h) $\frac{63}{91} = \frac{9}{\quad}$

5

a) $\frac{28}{88} = \frac{\quad}{22}$ b) $\frac{12}{90} = \frac{2}{\quad}$ c) $\frac{17}{22} = \frac{\quad}{66}$ d) $\frac{70}{82} = \frac{35}{\quad}$

e) $\frac{45}{99} = \frac{\quad}{11}$ f) $\frac{18}{27} = \frac{2}{\quad}$ g) $\frac{24}{26} = \frac{\quad}{13}$ h) $\frac{22}{99} = \frac{2}{\quad}$

Brüche kürzen und erweitern

Variante **6**

Blatt **31**

... Lösungen ...

Ergänze die fehlenden Zähler und Nenner:

1

a) $\frac{57}{95} = \frac{3}{5}$ b) $\frac{12}{36} = \frac{1}{3}$ c) $\frac{11}{30} = \frac{22}{60}$ d) $\frac{6}{10} = \frac{3}{5}$

e) $\frac{8}{34} = \frac{4}{17}$ f) $\frac{57}{96} = \frac{19}{32}$ g) $\frac{32}{78} = \frac{16}{39}$ h) $\frac{27}{75} = \frac{9}{25}$

2

a) $\frac{18}{26} = \frac{9}{13}$ b) $\frac{39}{45} = \frac{13}{15}$ c) $\frac{52}{91} = \frac{4}{7}$ d) $\frac{11}{19} = \frac{33}{57}$

e) $\frac{42}{90} = \frac{7}{15}$ f) $\frac{14}{64} = \frac{7}{32}$ g) $\frac{18}{64} = \frac{9}{32}$ h) $\frac{56}{60} = \frac{14}{15}$

3

a) $\frac{12}{33} = \frac{4}{11}$ b) $\frac{54}{74} = \frac{27}{37}$ c) $\frac{48}{87} = \frac{16}{29}$ d) $\frac{60}{95} = \frac{12}{19}$

e) $\frac{4}{22} = \frac{2}{11}$ f) $\frac{24}{78} = \frac{4}{13}$ g) $\frac{45}{93} = \frac{15}{31}$ h) $\frac{3}{46} = \frac{6}{92}$

4

a) $\frac{54}{93} = \frac{18}{31}$ b) $\frac{62}{64} = \frac{31}{32}$ c) $\frac{62}{86} = \frac{31}{43}$ d) $\frac{16}{38} = \frac{8}{19}$

e) $\frac{9}{81} = \frac{1}{9}$ f) $\frac{20}{21} = \frac{60}{63}$ g) $\frac{20}{25} = \frac{4}{5}$ h) $\frac{63}{91} = \frac{9}{13}$

5

a) $\frac{28}{88} = \frac{7}{22}$ b) $\frac{12}{90} = \frac{2}{15}$ c) $\frac{17}{22} = \frac{51}{66}$ d) $\frac{70}{82} = \frac{35}{41}$

e) $\frac{45}{99} = \frac{5}{11}$ f) $\frac{18}{27} = \frac{2}{3}$ g) $\frac{24}{26} = \frac{12}{13}$ h) $\frac{22}{99} = \frac{2}{9}$

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