Brüche kürzen und erweitern | Variante **6** | Blatt **11** | Klasse: ____ | Datum: _____ | Name: _____

Ergänze die fehlenden Zähler und Nenner:

1

a) $\frac{3}{48} = \frac{\quad}{16}$ b) $\frac{6}{14} = \frac{3}{\quad}$ c) $\frac{39}{52} = \frac{\quad}{4}$ d) $\frac{88}{98} = \frac{44}{\quad}$

e) $\frac{30}{57} = \frac{\quad}{19}$ f) $\frac{64}{68} = \frac{16}{\quad}$ g) $\frac{25}{60} = \frac{\quad}{12}$ h) $\frac{24}{44} = \frac{6}{\quad}$

2

a) $\frac{6}{52} = \frac{\quad}{26}$ b) $\frac{38}{58} = \frac{19}{\quad}$ c) $\frac{8}{16} = \frac{\quad}{2}$ d) $\frac{30}{50} = \frac{3}{\quad}$

e) $\frac{68}{90} = \frac{\quad}{45}$ f) $\frac{48}{68} = \frac{12}{\quad}$ g) $\frac{1}{18} = \frac{\quad}{90}$ h) $\frac{16}{42} = \frac{8}{\quad}$

3

a) $\frac{19}{23} = \frac{\quad}{92}$ b) $\frac{26}{76} = \frac{13}{\quad}$ c) $\frac{9}{33} = \frac{\quad}{11}$ d) $\frac{45}{72} = \frac{5}{\quad}$

e) $\frac{20}{48} = \frac{\quad}{12}$ f) $\frac{18}{92} = \frac{9}{\quad}$ g) $\frac{14}{42} = \frac{\quad}{3}$ h) $\frac{18}{30} = \frac{3}{\quad}$

4

a) $\frac{4}{38} = \frac{\quad}{19}$ b) $\frac{68}{76} = \frac{17}{\quad}$ c) $\frac{52}{54} = \frac{\quad}{27}$ d) $\frac{10}{64} = \frac{5}{\quad}$

e) $\frac{34}{37} = \frac{\quad}{74}$ f) $\frac{31}{36} = \frac{62}{\quad}$ g) $\frac{14}{20} = \frac{\quad}{10}$ h) $\frac{64}{94} = \frac{32}{\quad}$

5

a) $\frac{35}{91} = \frac{\quad}{13}$ b) $\frac{2}{27} = \frac{4}{\quad}$ c) $\frac{11}{77} = \frac{\quad}{7}$ d) $\frac{33}{44} = \frac{3}{\quad}$

e) $\frac{37}{74} = \frac{\quad}{2}$ f) $\frac{68}{85} = \frac{4}{\quad}$ g) $\frac{6}{21} = \frac{\quad}{7}$ h) $\frac{18}{66} = \frac{3}{\quad}$

Brüche kürzen und erweitern

Variante **6**

Blatt **11**

... Lösungen ...

Ergänze die fehlenden Zähler und Nenner:

1

a) $\frac{3}{48} = \frac{1}{16}$ b) $\frac{6}{14} = \frac{3}{7}$ c) $\frac{39}{52} = \frac{3}{4}$ d) $\frac{88}{98} = \frac{44}{49}$

e) $\frac{30}{57} = \frac{10}{19}$ f) $\frac{64}{68} = \frac{16}{17}$ g) $\frac{25}{60} = \frac{5}{12}$ h) $\frac{24}{44} = \frac{6}{11}$

2

a) $\frac{6}{52} = \frac{3}{26}$ b) $\frac{38}{58} = \frac{19}{29}$ c) $\frac{8}{16} = \frac{1}{2}$ d) $\frac{30}{50} = \frac{3}{5}$

e) $\frac{68}{90} = \frac{34}{45}$ f) $\frac{48}{68} = \frac{12}{17}$ g) $\frac{1}{18} = \frac{5}{90}$ h) $\frac{16}{42} = \frac{8}{21}$

3

a) $\frac{19}{23} = \frac{76}{92}$ b) $\frac{26}{76} = \frac{13}{38}$ c) $\frac{9}{33} = \frac{3}{11}$ d) $\frac{45}{72} = \frac{5}{8}$

e) $\frac{20}{48} = \frac{5}{12}$ f) $\frac{18}{92} = \frac{9}{46}$ g) $\frac{14}{42} = \frac{1}{3}$ h) $\frac{18}{30} = \frac{3}{5}$

4

a) $\frac{4}{38} = \frac{2}{19}$ b) $\frac{68}{76} = \frac{17}{19}$ c) $\frac{52}{54} = \frac{26}{27}$ d) $\frac{10}{64} = \frac{5}{32}$

e) $\frac{34}{37} = \frac{68}{74}$ f) $\frac{31}{36} = \frac{62}{72}$ g) $\frac{14}{20} = \frac{7}{10}$ h) $\frac{64}{94} = \frac{32}{47}$

5

a) $\frac{35}{91} = \frac{5}{13}$ b) $\frac{2}{27} = \frac{4}{54}$ c) $\frac{11}{77} = \frac{1}{7}$ d) $\frac{33}{44} = \frac{3}{4}$

e) $\frac{37}{74} = \frac{1}{2}$ f) $\frac{68}{85} = \frac{4}{5}$ g) $\frac{6}{21} = \frac{2}{7}$ h) $\frac{18}{66} = \frac{3}{11}$