Brüche kürzen und erweitern | Variante **6** | Blatt **13** | Klasse: ____ | Datum: _____ | Name: _____

Ergänze die fehlenden Zähler und Nenner:

1

a) $\frac{60}{74} = \frac{\quad}{37}$ b) $\frac{3}{19} = \frac{6}{\quad}$ c) $\frac{57}{72} = \frac{\quad}{24}$ d) $\frac{4}{11} = \frac{28}{\quad}$

e) $\frac{32}{80} = \frac{\quad}{5}$ f) $\frac{16}{98} = \frac{8}{\quad}$ g) $\frac{68}{84} = \frac{\quad}{21}$ h) $\frac{9}{63} = \frac{1}{\quad}$

2

a) $\frac{32}{90} = \frac{\quad}{45}$ b) $\frac{55}{75} = \frac{11}{\quad}$ c) $\frac{44}{92} = \frac{\quad}{23}$ d) $\frac{24}{58} = \frac{12}{\quad}$

e) $\frac{78}{88} = \frac{\quad}{44}$ f) $\frac{10}{14} = \frac{5}{\quad}$ g) $\frac{22}{86} = \frac{\quad}{43}$ h) $\frac{40}{50} = \frac{4}{\quad}$

3

a) $\frac{2}{88} = \frac{\quad}{44}$ b) $\frac{12}{92} = \frac{3}{\quad}$ c) $\frac{4}{70} = \frac{\quad}{35}$ d) $\frac{7}{56} = \frac{1}{\quad}$

e) $\frac{18}{24} = \frac{\quad}{4}$ f) $\frac{1}{3} = \frac{7}{\quad}$ g) $\frac{9}{60} = \frac{\quad}{20}$ h) $\frac{7}{20} = \frac{21}{\quad}$

4

a) $\frac{62}{80} = \frac{\quad}{40}$ b) $\frac{20}{86} = \frac{10}{\quad}$ c) $\frac{14}{23} = \frac{\quad}{69}$ d) $\frac{10}{94} = \frac{5}{\quad}$

e) $\frac{6}{25} = \frac{\quad}{50}$ f) $\frac{36}{38} = \frac{18}{\quad}$ g) $\frac{10}{25} = \frac{\quad}{5}$ h) $\frac{7}{10} = \frac{49}{\quad}$

5

a) $\frac{19}{57} = \frac{\quad}{3}$ b) $\frac{6}{28} = \frac{3}{\quad}$ c) $\frac{14}{72} = \frac{\quad}{36}$ d) $\frac{12}{66} = \frac{2}{\quad}$

e) $\frac{6}{80} = \frac{\quad}{40}$ f) $\frac{81}{90} = \frac{9}{\quad}$ g) $\frac{50}{84} = \frac{\quad}{42}$ h) $\frac{28}{36} = \frac{7}{\quad}$

Brüche kürzen und erweitern

Variante **6**

Blatt **13**

... Lösungen ...

Ergänze die fehlenden Zähler und Nenner:

1

a) $\frac{60}{74} = \frac{30}{37}$ b) $\frac{3}{19} = \frac{6}{38}$ c) $\frac{57}{72} = \frac{19}{24}$ d) $\frac{4}{11} = \frac{28}{77}$

e) $\frac{32}{80} = \frac{2}{5}$ f) $\frac{16}{98} = \frac{8}{49}$ g) $\frac{68}{84} = \frac{17}{21}$ h) $\frac{9}{63} = \frac{1}{7}$

2

a) $\frac{32}{90} = \frac{16}{45}$ b) $\frac{55}{75} = \frac{11}{15}$ c) $\frac{44}{92} = \frac{11}{23}$ d) $\frac{24}{58} = \frac{12}{29}$

e) $\frac{78}{88} = \frac{39}{44}$ f) $\frac{10}{14} = \frac{5}{7}$ g) $\frac{22}{86} = \frac{11}{43}$ h) $\frac{40}{50} = \frac{4}{5}$

3

a) $\frac{2}{88} = \frac{1}{44}$ b) $\frac{12}{92} = \frac{3}{23}$ c) $\frac{4}{70} = \frac{2}{35}$ d) $\frac{7}{56} = \frac{1}{8}$

e) $\frac{18}{24} = \frac{3}{4}$ f) $\frac{1}{3} = \frac{7}{21}$ g) $\frac{9}{60} = \frac{3}{20}$ h) $\frac{7}{20} = \frac{21}{60}$

4

a) $\frac{62}{80} = \frac{31}{40}$ b) $\frac{20}{86} = \frac{10}{43}$ c) $\frac{14}{23} = \frac{42}{69}$ d) $\frac{10}{94} = \frac{5}{47}$

e) $\frac{6}{25} = \frac{12}{50}$ f) $\frac{36}{38} = \frac{18}{19}$ g) $\frac{10}{25} = \frac{2}{5}$ h) $\frac{7}{10} = \frac{49}{70}$

5

a) $\frac{19}{57} = \frac{1}{3}$ b) $\frac{6}{28} = \frac{3}{14}$ c) $\frac{14}{72} = \frac{7}{36}$ d) $\frac{12}{66} = \frac{2}{11}$

e) $\frac{6}{80} = \frac{3}{40}$ f) $\frac{81}{90} = \frac{9}{10}$ g) $\frac{50}{84} = \frac{25}{42}$ h) $\frac{28}{36} = \frac{7}{9}$