Brüche kürzen und erweitern | Variante **6** | Blatt **15** | Klasse: ____ | Datum: _____ | Name: _____

Ergänze die fehlenden Zähler und Nenner:

1

a) $\frac{54}{90} = \frac{\quad}{5}$ b) $\frac{40}{80} = \frac{1}{\quad}$ c) $\frac{38}{96} = \frac{\quad}{48}$ d) $\frac{10}{42} = \frac{5}{\quad}$

e) $\frac{30}{37} = \frac{\quad}{74}$ f) $\frac{15}{27} = \frac{5}{\quad}$ g) $\frac{16}{34} = \frac{\quad}{17}$ h) $\frac{48}{94} = \frac{24}{\quad}$

2

a) $\frac{26}{37} = \frac{\quad}{74}$ b) $\frac{27}{69} = \frac{9}{\quad}$ c) $\frac{63}{87} = \frac{\quad}{29}$ d) $\frac{2}{48} = \frac{1}{\quad}$

e) $\frac{36}{98} = \frac{\quad}{49}$ f) $\frac{30}{70} = \frac{3}{\quad}$ g) $\frac{14}{29} = \frac{\quad}{58}$ h) $\frac{15}{50} = \frac{3}{\quad}$

3

a) $\frac{2}{78} = \frac{\quad}{39}$ b) $\frac{6}{51} = \frac{2}{\quad}$ c) $\frac{28}{64} = \frac{\quad}{16}$ d) $\frac{9}{30} = \frac{3}{\quad}$

e) $\frac{21}{98} = \frac{\quad}{14}$ f) $\frac{22}{74} = \frac{11}{\quad}$ g) $\frac{69}{81} = \frac{\quad}{27}$ h) $\frac{52}{62} = \frac{26}{\quad}$

4

a) $\frac{18}{74} = \frac{\quad}{37}$ b) $\frac{54}{60} = \frac{9}{\quad}$ c) $\frac{12}{15} = \frac{\quad}{5}$ d) $\frac{74}{88} = \frac{37}{\quad}$

e) $\frac{3}{17} = \frac{\quad}{51}$ f) $\frac{9}{36} = \frac{1}{\quad}$ g) $\frac{23}{92} = \frac{\quad}{4}$ h) $\frac{23}{27} = \frac{69}{\quad}$

5

a) $\frac{54}{96} = \frac{\quad}{16}$ b) $\frac{30}{33} = \frac{10}{\quad}$ c) $\frac{10}{54} = \frac{\quad}{27}$ d) $\frac{18}{93} = \frac{6}{\quad}$

e) $\frac{38}{43} = \frac{\quad}{86}$ f) $\frac{56}{91} = \frac{8}{\quad}$ g) $\frac{15}{93} = \frac{\quad}{31}$ h) $\frac{46}{62} = \frac{23}{\quad}$

Ergänze die fehlenden Zähler und Nenner:

1 a) $\frac{54}{90} = \frac{3}{5}$ b) $\frac{40}{80} = \frac{1}{2}$ c) $\frac{38}{96} = \frac{19}{48}$ d) $\frac{10}{42} = \frac{5}{21}$

e) $\frac{30}{37} = \frac{60}{74}$ f) $\frac{15}{27} = \frac{5}{9}$ g) $\frac{16}{34} = \frac{8}{17}$ h) $\frac{48}{94} = \frac{24}{47}$

2 a) $\frac{26}{37} = \frac{52}{74}$ b) $\frac{27}{69} = \frac{9}{23}$ c) $\frac{63}{87} = \frac{21}{29}$ d) $\frac{2}{48} = \frac{1}{24}$

e) $\frac{36}{98} = \frac{18}{49}$ f) $\frac{30}{70} = \frac{3}{7}$ g) $\frac{14}{29} = \frac{28}{58}$ h) $\frac{15}{50} = \frac{3}{10}$

3 a) $\frac{2}{78} = \frac{1}{39}$ b) $\frac{6}{51} = \frac{2}{17}$ c) $\frac{28}{64} = \frac{7}{16}$ d) $\frac{9}{30} = \frac{3}{10}$

e) $\frac{21}{98} = \frac{3}{14}$ f) $\frac{22}{74} = \frac{11}{37}$ g) $\frac{69}{81} = \frac{23}{27}$ h) $\frac{52}{62} = \frac{26}{31}$

4 a) $\frac{18}{74} = \frac{9}{37}$ b) $\frac{54}{60} = \frac{9}{10}$ c) $\frac{12}{15} = \frac{4}{5}$ d) $\frac{74}{88} = \frac{37}{44}$

e) $\frac{3}{17} = \frac{9}{51}$ f) $\frac{9}{36} = \frac{1}{4}$ g) $\frac{23}{92} = \frac{1}{4}$ h) $\frac{23}{27} = \frac{69}{81}$

5 a) $\frac{54}{96} = \frac{9}{16}$ b) $\frac{30}{33} = \frac{10}{11}$ c) $\frac{10}{54} = \frac{5}{27}$ d) $\frac{18}{93} = \frac{6}{31}$

e) $\frac{38}{43} = \frac{76}{86}$ f) $\frac{56}{91} = \frac{8}{13}$ g) $\frac{15}{93} = \frac{5}{31}$ h) $\frac{46}{62} = \frac{23}{31}$