Brüche kürzen und erweitern | Variante **6** | Blatt **10** | Klasse: ____ | Datum: _____ | Name: _____

Ergänze die fehlenden Zähler und Nenner:

1

a) $\frac{42}{96} = \frac{\quad}{16}$ b) $\frac{34}{48} = \frac{17}{\quad}$ c) $\frac{3}{60} = \frac{\quad}{20}$ d) $\frac{51}{99} = \frac{17}{\quad}$

e) $\frac{54}{75} = \frac{\quad}{25}$ f) $\frac{21}{36} = \frac{7}{\quad}$ g) $\frac{11}{43} = \frac{\quad}{86}$ h) $\frac{14}{86} = \frac{7}{\quad}$

2

a) $\frac{38}{68} = \frac{\quad}{34}$ b) $\frac{28}{98} = \frac{2}{\quad}$ c) $\frac{2}{30} = \frac{\quad}{15}$ d) $\frac{6}{93} = \frac{2}{\quad}$

e) $\frac{5}{30} = \frac{\quad}{6}$ f) $\frac{48}{96} = \frac{1}{\quad}$ g) $\frac{66}{96} = \frac{\quad}{16}$ h) $\frac{56}{62} = \frac{28}{\quad}$

3

a) $\frac{2}{86} = \frac{\quad}{43}$ b) $\frac{4}{40} = \frac{1}{\quad}$ c) $\frac{13}{24} = \frac{\quad}{48}$ d) $\frac{48}{69} = \frac{16}{\quad}$

e) $\frac{96}{98} = \frac{\quad}{49}$ f) $\frac{60}{87} = \frac{20}{\quad}$ g) $\frac{72}{78} = \frac{\quad}{13}$ h) $\frac{3}{21} = \frac{1}{\quad}$

4

a) $\frac{7}{23} = \frac{\quad}{46}$ b) $\frac{16}{90} = \frac{8}{\quad}$ c) $\frac{56}{68} = \frac{\quad}{17}$ d) $\frac{63}{70} = \frac{9}{\quad}$

e) $\frac{25}{35} = \frac{\quad}{7}$ f) $\frac{82}{90} = \frac{41}{\quad}$ g) $\frac{3}{75} = \frac{\quad}{25}$ h) $\frac{60}{92} = \frac{15}{\quad}$

5

a) $\frac{16}{52} = \frac{\quad}{13}$ b) $\frac{34}{74} = \frac{17}{\quad}$ c) $\frac{62}{70} = \frac{\quad}{35}$ d) $\frac{4}{88} = \frac{1}{\quad}$

e) $\frac{10}{12} = \frac{\quad}{6}$ f) $\frac{69}{90} = \frac{23}{\quad}$ g) $\frac{36}{70} = \frac{\quad}{35}$ h) $\frac{36}{52} = \frac{9}{\quad}$

Brüche kürzen und erweitern

Variante **6**

Blatt **10**

... Lösungen ...

Ergänze die fehlenden Zähler und Nenner:

1

a) $\frac{42}{96} = \frac{7}{16}$ b) $\frac{34}{48} = \frac{17}{24}$ c) $\frac{3}{60} = \frac{1}{20}$ d) $\frac{51}{99} = \frac{17}{33}$

e) $\frac{54}{75} = \frac{18}{25}$ f) $\frac{21}{36} = \frac{7}{12}$ g) $\frac{11}{43} = \frac{22}{86}$ h) $\frac{14}{86} = \frac{7}{43}$

2

a) $\frac{38}{68} = \frac{19}{34}$ b) $\frac{28}{98} = \frac{2}{7}$ c) $\frac{2}{30} = \frac{1}{15}$ d) $\frac{6}{93} = \frac{2}{31}$

e) $\frac{5}{30} = \frac{1}{6}$ f) $\frac{48}{96} = \frac{1}{2}$ g) $\frac{66}{96} = \frac{11}{16}$ h) $\frac{56}{62} = \frac{28}{31}$

3

a) $\frac{2}{86} = \frac{1}{43}$ b) $\frac{4}{40} = \frac{1}{10}$ c) $\frac{13}{24} = \frac{26}{48}$ d) $\frac{48}{69} = \frac{16}{23}$

e) $\frac{96}{98} = \frac{48}{49}$ f) $\frac{60}{87} = \frac{20}{29}$ g) $\frac{72}{78} = \frac{12}{13}$ h) $\frac{3}{21} = \frac{1}{7}$

4

a) $\frac{7}{23} = \frac{14}{46}$ b) $\frac{16}{90} = \frac{8}{45}$ c) $\frac{56}{68} = \frac{14}{17}$ d) $\frac{63}{70} = \frac{9}{10}$

e) $\frac{25}{35} = \frac{5}{7}$ f) $\frac{82}{90} = \frac{41}{45}$ g) $\frac{3}{75} = \frac{1}{25}$ h) $\frac{60}{92} = \frac{15}{23}$

5

a) $\frac{16}{52} = \frac{4}{13}$ b) $\frac{34}{74} = \frac{17}{37}$ c) $\frac{62}{70} = \frac{31}{35}$ d) $\frac{4}{88} = \frac{1}{22}$

e) $\frac{10}{12} = \frac{5}{6}$ f) $\frac{69}{90} = \frac{23}{30}$ g) $\frac{36}{70} = \frac{18}{35}$ h) $\frac{36}{52} = \frac{9}{13}$