Brüche kürzen und erweitern | Variante **6** | Blatt **4** | Klasse: ____ | Datum: _____ | Name: _____

Ergänze die fehlenden Zähler und Nenner:

1

a) $\frac{34}{78} = \frac{\quad}{39}$ b) $\frac{72}{82} = \frac{36}{\quad}$ c) $\frac{25}{95} = \frac{\quad}{19}$ d) $\frac{74}{80} = \frac{37}{\quad}$

e) $\frac{5}{8} = \frac{\quad}{32}$ f) $\frac{78}{99} = \frac{26}{\quad}$ g) $\frac{6}{8} = \frac{\quad}{4}$ h) $\frac{54}{88} = \frac{27}{\quad}$

2

a) $\frac{11}{33} = \frac{\quad}{3}$ b) $\frac{40}{45} = \frac{8}{\quad}$ c) $\frac{24}{68} = \frac{\quad}{17}$ d) $\frac{4}{92} = \frac{1}{\quad}$

e) $\frac{28}{33} = \frac{\quad}{99}$ f) $\frac{12}{51} = \frac{4}{\quad}$ g) $\frac{31}{48} = \frac{\quad}{96}$ h) $\frac{50}{60} = \frac{5}{\quad}$

3

a) $\frac{30}{76} = \frac{\quad}{38}$ b) $\frac{39}{90} = \frac{13}{\quad}$ c) $\frac{39}{96} = \frac{\quad}{32}$ d) $\frac{8}{19} = \frac{32}{\quad}$

e) $\frac{42}{68} = \frac{\quad}{34}$ f) $\frac{33}{99} = \frac{1}{\quad}$ g) $\frac{58}{92} = \frac{\quad}{46}$ h) $\frac{32}{96} = \frac{1}{\quad}$

4

a) $\frac{33}{93} = \frac{\quad}{31}$ b) $\frac{7}{24} = \frac{28}{\quad}$ c) $\frac{18}{29} = \frac{\quad}{58}$ d) $\frac{21}{25} = \frac{63}{\quad}$

e) $\frac{12}{13} = \frac{\quad}{91}$ f) $\frac{50}{78} = \frac{25}{\quad}$ g) $\frac{38}{50} = \frac{\quad}{25}$ h) $\frac{7}{70} = \frac{1}{\quad}$

5

a) $\frac{18}{31} = \frac{\quad}{93}$ b) $\frac{52}{76} = \frac{13}{\quad}$ c) $\frac{18}{42} = \frac{\quad}{7}$ d) $\frac{20}{50} = \frac{2}{\quad}$

e) $\frac{56}{96} = \frac{\quad}{12}$ f) $\frac{8}{50} = \frac{4}{\quad}$ g) $\frac{78}{84} = \frac{\quad}{14}$ h) $\frac{2}{68} = \frac{1}{\quad}$

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Brüche kürzen und erweitern

Variante **6**

Blatt **4**

... Lösungen ...

Ergänze die fehlenden Zähler und Nenner:

1

a) $\frac{34}{78} = \frac{17}{39}$ b) $\frac{72}{82} = \frac{36}{41}$ c) $\frac{25}{95} = \frac{5}{19}$ d) $\frac{74}{80} = \frac{37}{40}$

e) $\frac{5}{8} = \frac{20}{32}$ f) $\frac{78}{99} = \frac{26}{33}$ g) $\frac{6}{8} = \frac{3}{4}$ h) $\frac{54}{88} = \frac{27}{44}$

2

a) $\frac{11}{33} = \frac{1}{3}$ b) $\frac{40}{45} = \frac{8}{9}$ c) $\frac{24}{68} = \frac{6}{17}$ d) $\frac{4}{92} = \frac{1}{23}$

e) $\frac{28}{33} = \frac{84}{99}$ f) $\frac{12}{51} = \frac{4}{17}$ g) $\frac{31}{48} = \frac{62}{96}$ h) $\frac{50}{60} = \frac{5}{6}$

3

a) $\frac{30}{76} = \frac{15}{38}$ b) $\frac{39}{90} = \frac{13}{30}$ c) $\frac{39}{96} = \frac{13}{32}$ d) $\frac{8}{19} = \frac{32}{76}$

e) $\frac{42}{68} = \frac{21}{34}$ f) $\frac{33}{99} = \frac{1}{3}$ g) $\frac{58}{92} = \frac{29}{46}$ h) $\frac{32}{96} = \frac{1}{3}$

4

a) $\frac{33}{93} = \frac{11}{31}$ b) $\frac{7}{24} = \frac{28}{96}$ c) $\frac{18}{29} = \frac{36}{58}$ d) $\frac{21}{25} = \frac{63}{75}$

e) $\frac{12}{13} = \frac{84}{91}$ f) $\frac{50}{78} = \frac{25}{39}$ g) $\frac{38}{50} = \frac{19}{25}$ h) $\frac{7}{70} = \frac{1}{10}$

5

a) $\frac{18}{31} = \frac{54}{93}$ b) $\frac{52}{76} = \frac{13}{19}$ c) $\frac{18}{42} = \frac{3}{7}$ d) $\frac{20}{50} = \frac{2}{5}$

e) $\frac{56}{96} = \frac{7}{12}$ f) $\frac{8}{50} = \frac{4}{25}$ g) $\frac{78}{84} = \frac{13}{14}$ h) $\frac{2}{68} = \frac{1}{34}$

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