Brüche kürzen und erweitern | Variante **6** | Blatt **3** | Klasse: ____ | Datum: _____ | Name: _____

Ergänze die fehlenden Zähler und Nenner:

1

a) $\frac{13}{41} = \frac{\quad}{82}$ b) $\frac{64}{70} = \frac{32}{\quad}$ c) $\frac{21}{35} = \frac{\quad}{5}$ d) $\frac{7}{8} = \frac{35}{\quad}$

e) $\frac{4}{17} = \frac{\quad}{34}$ f) $\frac{36}{80} = \frac{9}{\quad}$ g) $\frac{40}{70} = \frac{\quad}{7}$ h) $\frac{27}{33} = \frac{9}{\quad}$

2

a) $\frac{24}{30} = \frac{\quad}{5}$ b) $\frac{58}{87} = \frac{2}{\quad}$ c) $\frac{18}{28} = \frac{\quad}{14}$ d) $\frac{23}{45} = \frac{46}{\quad}$

e) $\frac{42}{51} = \frac{\quad}{17}$ f) $\frac{20}{55} = \frac{4}{\quad}$ g) $\frac{26}{28} = \frac{\quad}{14}$ h) $\frac{44}{84} = \frac{11}{\quad}$

3

a) $\frac{1}{11} = \frac{\quad}{66}$ b) $\frac{35}{43} = \frac{70}{\quad}$ c) $\frac{15}{21} = \frac{\quad}{7}$ d) $\frac{22}{58} = \frac{11}{\quad}$

e) $\frac{32}{64} = \frac{\quad}{2}$ f) $\frac{8}{48} = \frac{1}{\quad}$ g) $\frac{5}{7} = \frac{\quad}{21}$ h) $\frac{15}{84} = \frac{5}{\quad}$

4

a) $\frac{40}{98} = \frac{\quad}{49}$ b) $\frac{80}{95} = \frac{16}{\quad}$ c) $\frac{31}{44} = \frac{\quad}{88}$ d) $\frac{24}{51} = \frac{8}{\quad}$

e) $\frac{93}{99} = \frac{\quad}{33}$ f) $\frac{33}{90} = \frac{11}{\quad}$ g) $\frac{32}{35} = \frac{\quad}{70}$ h) $\frac{4}{68} = \frac{1}{\quad}$

5

a) $\frac{5}{48} = \frac{\quad}{96}$ b) $\frac{4}{18} = \frac{2}{\quad}$ c) $\frac{63}{66} = \frac{\quad}{22}$ d) $\frac{21}{49} = \frac{3}{\quad}$

e) $\frac{1}{4} = \frac{\quad}{12}$ f) $\frac{5}{85} = \frac{1}{\quad}$ g) $\frac{87}{99} = \frac{\quad}{33}$ h) $\frac{26}{68} = \frac{13}{\quad}$

Brüche kürzen und erweitern

Variante **6**

Blatt **3**

... Lösungen ...

Ergänze die fehlenden Zähler und Nenner:

1

a) $\frac{13}{41} = \frac{26}{82}$ b) $\frac{64}{70} = \frac{32}{35}$ c) $\frac{21}{35} = \frac{3}{5}$ d) $\frac{7}{8} = \frac{35}{40}$

e) $\frac{4}{17} = \frac{8}{34}$ f) $\frac{36}{80} = \frac{9}{20}$ g) $\frac{40}{70} = \frac{4}{7}$ h) $\frac{27}{33} = \frac{9}{11}$

2

a) $\frac{24}{30} = \frac{4}{5}$ b) $\frac{58}{87} = \frac{2}{3}$ c) $\frac{18}{28} = \frac{9}{14}$ d) $\frac{23}{45} = \frac{46}{90}$

e) $\frac{42}{51} = \frac{14}{17}$ f) $\frac{20}{55} = \frac{4}{11}$ g) $\frac{26}{28} = \frac{13}{14}$ h) $\frac{44}{84} = \frac{11}{21}$

3

a) $\frac{1}{11} = \frac{6}{66}$ b) $\frac{35}{43} = \frac{70}{86}$ c) $\frac{15}{21} = \frac{5}{7}$ d) $\frac{22}{58} = \frac{11}{29}$

e) $\frac{32}{64} = \frac{1}{2}$ f) $\frac{8}{48} = \frac{1}{6}$ g) $\frac{5}{7} = \frac{15}{21}$ h) $\frac{15}{84} = \frac{5}{28}$

4

a) $\frac{40}{98} = \frac{20}{49}$ b) $\frac{80}{95} = \frac{16}{19}$ c) $\frac{31}{44} = \frac{62}{88}$ d) $\frac{24}{51} = \frac{8}{17}$

e) $\frac{93}{99} = \frac{31}{33}$ f) $\frac{33}{90} = \frac{11}{30}$ g) $\frac{32}{35} = \frac{64}{70}$ h) $\frac{4}{68} = \frac{1}{17}$

5

a) $\frac{5}{48} = \frac{10}{96}$ b) $\frac{4}{18} = \frac{2}{9}$ c) $\frac{63}{66} = \frac{21}{22}$ d) $\frac{21}{49} = \frac{3}{7}$

e) $\frac{1}{4} = \frac{3}{12}$ f) $\frac{5}{85} = \frac{1}{17}$ g) $\frac{87}{99} = \frac{29}{33}$ h) $\frac{26}{68} = \frac{13}{34}$