Brüche kürzen und erweitern Variante **6** Blatt **35** Klasse: ____ Datum: _____ Name: _____

Ergänze die fehlenden Zähler und Nenner:

1

a) $\frac{5}{45} = \frac{\quad}{9}$ b) $\frac{40}{62} = \frac{20}{\quad}$ c) $\frac{5}{70} = \frac{\quad}{14}$ d) $\frac{1}{37} = \frac{2}{\quad}$

e) $\frac{3}{30} = \frac{\quad}{10}$ f) $\frac{62}{72} = \frac{31}{\quad}$ g) $\frac{30}{90} = \frac{\quad}{3}$ h) $\frac{6}{47} = \frac{12}{\quad}$

2

a) $\frac{90}{94} = \frac{\quad}{47}$ b) $\frac{24}{52} = \frac{6}{\quad}$ c) $\frac{36}{66} = \frac{\quad}{11}$ d) $\frac{30}{93} = \frac{10}{\quad}$

e) $\frac{33}{54} = \frac{\quad}{18}$ f) $\frac{12}{76} = \frac{3}{\quad}$ g) $\frac{46}{82} = \frac{\quad}{41}$ h) $\frac{13}{23} = \frac{26}{\quad}$

3

a) $\frac{12}{94} = \frac{\quad}{47}$ b) $\frac{2}{28} = \frac{1}{\quad}$ c) $\frac{8}{70} = \frac{\quad}{35}$ d) $\frac{20}{95} = \frac{4}{\quad}$

e) $\frac{33}{72} = \frac{\quad}{24}$ f) $\frac{30}{56} = \frac{15}{\quad}$ g) $\frac{66}{78} = \frac{\quad}{13}$ h) $\frac{80}{92} = \frac{20}{\quad}$

4

a) $\frac{74}{84} = \frac{\quad}{42}$ b) $\frac{36}{84} = \frac{3}{\quad}$ c) $\frac{22}{50} = \frac{\quad}{25}$ d) $\frac{7}{35} = \frac{1}{\quad}$

e) $\frac{34}{72} = \frac{\quad}{36}$ f) $\frac{5}{12} = \frac{25}{\quad}$ g) $\frac{36}{63} = \frac{\quad}{7}$ h) $\frac{11}{20} = \frac{44}{\quad}$

5

a) $\frac{57}{69} = \frac{\quad}{23}$ b) $\frac{15}{25} = \frac{3}{\quad}$ c) $\frac{31}{46} = \frac{\quad}{92}$ d) $\frac{63}{84} = \frac{3}{\quad}$

e) $\frac{20}{27} = \frac{\quad}{81}$ f) $\frac{84}{86} = \frac{42}{\quad}$ g) $\frac{20}{40} = \frac{\quad}{2}$ h) $\frac{11}{18} = \frac{22}{\quad}$

Brüche kürzen und erweitern

Variante **6**

Blatt **35**

... Lösungen ...

Ergänze die fehlenden Zähler und Nenner:

1

a) $\frac{5}{45} = \frac{1}{9}$ b) $\frac{40}{62} = \frac{20}{31}$ c) $\frac{5}{70} = \frac{1}{14}$ d) $\frac{1}{37} = \frac{2}{74}$

e) $\frac{3}{30} = \frac{1}{10}$ f) $\frac{62}{72} = \frac{31}{36}$ g) $\frac{30}{90} = \frac{1}{3}$ h) $\frac{6}{47} = \frac{12}{94}$

2

a) $\frac{90}{94} = \frac{45}{47}$ b) $\frac{24}{52} = \frac{6}{13}$ c) $\frac{36}{66} = \frac{6}{11}$ d) $\frac{30}{93} = \frac{10}{31}$

e) $\frac{33}{54} = \frac{11}{18}$ f) $\frac{12}{76} = \frac{3}{19}$ g) $\frac{46}{82} = \frac{23}{41}$ h) $\frac{13}{23} = \frac{26}{46}$

3

a) $\frac{12}{94} = \frac{6}{47}$ b) $\frac{2}{28} = \frac{1}{14}$ c) $\frac{8}{70} = \frac{4}{35}$ d) $\frac{20}{95} = \frac{4}{19}$

e) $\frac{33}{72} = \frac{11}{24}$ f) $\frac{30}{56} = \frac{15}{28}$ g) $\frac{66}{78} = \frac{11}{13}$ h) $\frac{80}{92} = \frac{20}{23}$

4

a) $\frac{74}{84} = \frac{37}{42}$ b) $\frac{36}{84} = \frac{3}{7}$ c) $\frac{22}{50} = \frac{11}{25}$ d) $\frac{7}{35} = \frac{1}{5}$

e) $\frac{34}{72} = \frac{17}{36}$ f) $\frac{5}{12} = \frac{25}{60}$ g) $\frac{36}{63} = \frac{4}{7}$ h) $\frac{11}{20} = \frac{44}{80}$

5

a) $\frac{57}{69} = \frac{19}{23}$ b) $\frac{15}{25} = \frac{3}{5}$ c) $\frac{31}{46} = \frac{62}{92}$ d) $\frac{63}{84} = \frac{3}{4}$

e) $\frac{20}{27} = \frac{60}{81}$ f) $\frac{84}{86} = \frac{42}{43}$ g) $\frac{20}{40} = \frac{1}{2}$ h) $\frac{11}{18} = \frac{22}{36}$

Quelle: www.matheaufgaben.net/arbeitsblaetter/brueche-dezimalzahlen/bruch-kuerzen-erweitern/