

Lösungen Aufgabenplan Bruchrechnung

Grundaufgaben

B: S. 40 Nr. 1, 2

- a) r b) f c) r d) r e) r f) r

Nr. 2

- a) $\frac{3}{8}$ b) $\frac{7}{15}$ c) $\frac{6}{9} = \frac{2}{3}$ d) $\frac{5}{25} = \frac{1}{5}$

Nr. 4

$$75 - 333 - 4530 - 14385$$

Nr. 5 a) $\frac{3}{2} = 1\frac{1}{2}$ | $\frac{5}{2} = 2\frac{1}{2}$ | $\frac{4}{3} = 1\frac{1}{3}$ | $\frac{9}{8} = 1\frac{1}{8}$

b) $2\frac{1}{2} = \frac{5}{2}$ | $3\frac{1}{2} = \frac{7}{2}$ | $1\frac{1}{4} = \frac{5}{4}$ | $1\frac{3}{4} = \frac{7}{4}$

Nr. 6 a) $\frac{2}{3}$ b) $\frac{3}{4}$ c) $\frac{3}{5}$

Nr. 7 a) $\frac{5}{8}$ und $\frac{7}{16} \rightarrow \frac{5}{8} \cdot 2 = \frac{10}{16} > \frac{7}{16}$

b) $\frac{3}{10}$ und $\frac{4}{15} \rightarrow \frac{3}{10} \cdot 3 = \frac{9}{30} > \frac{4}{15} \cdot 2 = \frac{8}{30}$

B: S. 41 Nr. D E F

D a) $\frac{2}{5}$ b) $\frac{5}{9}$ c) $\frac{7}{10}$

F a) $\frac{2}{3}$ b) $\frac{1}{4}$ c) $\frac{1}{3}$ d) $\frac{2}{5}$
e) $\frac{3}{5}$ f) $\frac{4}{5}$

B: S. 41 Nr. A, B

Summe - addieren - $56 + 7$

Differenz - subtrahieren - $26 - 8$

Produkt - multiplizieren - $7 \cdot 8$

Quotient - dividieren - $63 : 9$

B a) 3 b) 8 c) 140
d) 19 e) 8 f) 5

B: S. 45 Nr. 4, 5

4 a) $\frac{11}{12}$ b) $\frac{13}{13} = 1$

5 a) $\frac{2}{7}$ b) $\frac{11}{15}$ c) $\frac{2}{11}$ d) $\frac{3}{11}$

c) $\frac{3}{8}$ d) $\frac{5}{18}$

e) $\frac{5}{13}$ | $\frac{7}{13}$ f) $\frac{14}{17}$ | $\frac{5}{17}$

Verkaufsaufgaben

B: S. 40 Nr. 4, 5, 6

Nr. 4 45 - 255 - 4800 - 72615

Nr. 5 a) $\frac{9}{5} = 1\frac{4}{5}$ | $\frac{7}{2} = 3\frac{1}{2}$ | $\frac{5}{3} = 1\frac{2}{3}$ | $\frac{11}{8} = 1\frac{3}{8}$

b) $2\frac{3}{4} = \frac{11}{4}$ | $6\frac{1}{2} = \frac{13}{2}$ | $4\frac{1}{4} = \frac{17}{4}$ | $3\frac{3}{4} = \frac{15}{4}$

Nr. 6 a) $\frac{1}{3}$ b) $\frac{3}{4}$ c) $\frac{6}{7}$

B: S. 40 Nr. 7

a) $\frac{8}{15} \stackrel{\textcircled{3}}{=} \frac{24}{45} > \frac{7}{45}$

b) $\frac{9}{20} \stackrel{\textcircled{5}}{=} \frac{45}{100} > \frac{42}{100} \stackrel{\textcircled{2}}{=} \frac{21}{50}$

B: S. 41 Nr. G, H

G a) $\frac{7}{4} = 1\frac{3}{4}$ b) $\frac{5}{2} = 2\frac{1}{2}$ c) $\frac{8}{3} = 2\frac{2}{3}$ d) $\frac{17}{15} = 1\frac{2}{15}$

H a) $\frac{1}{2} \stackrel{\cdot 3}{=} \frac{3}{6}$ b) $\frac{3}{4} \stackrel{\cdot 2}{=} \frac{6}{8}$ c) $\frac{9}{12} : \frac{4}{12}$ d) $\frac{3}{18} : \frac{8}{18}$

B: S. 45 Nr. 7

a)	b)	c)	d)	e)	f)	g)	h)	i)
B	A	D	M	I	N	T	O	N
$\frac{3}{4}$	$\frac{1}{3}$	$\frac{4}{5}$	$\frac{11}{7}$	1	$\frac{2}{5}$	$\frac{5}{3}$	$\frac{1}{2}$	2