



1	2	3	4
Jede Lösung ist einem Buchstaben zugeordnet. Die Buchstaben findest du auf den Puzzleteilen wieder. Schneide diese aus und klebe sie an der richtigen Stelle ein!			
5	6	7	8
9	10	11	12
Puzzleteil mit Lösungsbuchstaben der Nr. 13	14	15	16

1)  $\frac{\frac{4}{7}}{\frac{1}{1}} = \frac{4 \cdot 21}{7 \cdot 1} = \frac{84}{7} = 12$

2)  $\frac{\frac{6}{5}}{\frac{6}{6}} = \frac{6 \cdot 6}{5 \cdot 6} = \frac{36}{30} = 1\frac{2}{5}$

3)  $\frac{\frac{5}{7}}{\frac{1}{1}} = \frac{5 \cdot 14}{7 \cdot 1} = \frac{70}{7} = 10$

4)  $\frac{\frac{11}{6}}{\frac{1}{4}} = \frac{11 \cdot 4}{6 \cdot 1} = \frac{44}{6} = 7\frac{2}{3}$

5)  $\frac{\frac{5}{11}}{\frac{1}{77}} = \frac{5 \cdot 77}{11 \cdot 1} = \frac{385}{11} = 35$

6)  $\frac{\frac{5}{3}}{\frac{4}{4}} = \frac{5 \cdot 4}{3 \cdot 4} = \frac{20}{12} = 1\frac{5}{3}$

7)  $\frac{\frac{3}{5}}{\frac{1\frac{2}{7}}{7}} = \frac{3 \cdot 7}{5 \cdot \frac{9}{7}} = \frac{21 \cdot 7}{5 \cdot 9} = \frac{147}{45} = 3\frac{2}{5}$

8)  $\frac{3\frac{1}{4}}{\frac{4}{7}} = \frac{3\frac{1}{4} \cdot 7}{4} = \frac{24\frac{7}{4}}{4} = 6\frac{7}{16}$

9)  $\frac{5\frac{5}{8}}{\frac{8}{5}} = \frac{5\frac{5}{8} \cdot 5}{8} = \frac{25\frac{25}{8}}{8} = 3\frac{1}{8}$

10)  $\frac{2\frac{2}{3}}{1\frac{1}{2}} = \frac{2\frac{2}{3} \cdot 2}{1\frac{1}{2} \cdot 2} = \frac{4\frac{4}{3}}{2\frac{1}{2}} = \frac{16\frac{4}{3}}{5} = 3\frac{4}{15}$

11)  $\frac{1\frac{1}{8}}{\frac{3}{4}} = \frac{1\frac{1}{8} \cdot 4}{3} = \frac{4\frac{1}{2}}{3} = 1\frac{5}{6}$

12)  $\frac{7\frac{2}{3}}{3\frac{2}{7}} = \frac{7\frac{2}{3} \cdot 7}{3\frac{2}{7} \cdot 7} = \frac{49\frac{14}{3}}{24\frac{2}{7}} = \frac{163\frac{14}{3}}{34} = 4\frac{11}{17}$

13)  $\frac{3\frac{2}{7}}{7\frac{2}{3}} = \frac{3\frac{2}{7} \cdot 3}{7\frac{2}{3} \cdot 3} = \frac{10\frac{6}{7}}{24\frac{2}{3}} = \frac{74\frac{6}{7}}{74} = 1\frac{1}{7}$

14)  $\frac{\frac{6}{7}}{\frac{3}{21}} = \frac{6 \cdot 21}{7 \cdot 3} = \frac{126}{21} = 6$

15)  $\frac{6\frac{1}{2}}{2\frac{1}{6}} = \frac{6\frac{1}{2} \cdot 6}{2\frac{1}{6} \cdot 6} = \frac{39}{13} = 3$

16)  $\frac{3\frac{3}{4}}{5\frac{1}{2}} = \frac{3\frac{3}{4} \cdot 4}{5\frac{1}{2} \cdot 4} = \frac{15\frac{3}{4}}{22} = 1\frac{3}{22}$

- a) 3
- b)  $1\frac{1}{8}$
- c) 12
- d) 6
- e)  $7\frac{1}{3}$
- f)  $\frac{1}{5}$
- g)  $1\frac{7}{9}$
- h)  $\frac{2}{3}$
- i)  $2\frac{1}{3}$
- k) 35
- l)  $\frac{3}{7}$
- m)  $1\frac{1}{2}$
- n)  $6\frac{2}{3}$
- o) 10
- p)  $\frac{7}{15}$
- q)  $\frac{15}{22}$

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# schmerzlose Doppelbrüche

