**Aufgabenblatt Brüche multiplizieren Lösungen**

1. $\frac{5}{6}X\frac{9}{11}=\frac{5}{3X2}X\frac{3X3}{11}=\frac{5}{2}X\frac{3}{11}=\frac{5X3}{2X11}=\frac{15}{22}$
2. $\frac{7}{18}X\frac{30}{84}=\frac{1X7}{3X6}X\frac{5X6}{12X7}=\frac{1X5}{3X12}=\frac{5}{36}$
3. $4\frac{3}{15}X\frac{18}{21}=\frac{63}{15}X\frac{18}{21}=\frac{3X21}{5X3}X\frac{6X3}{1X21}=\frac{3}{5}X\frac{6}{1}=\frac{18}{5}=3\frac{3}{5}$
4. $5\frac{5}{13}X\frac{11}{35}=\frac{70}{13}X\frac{11}{35}=\frac{2X35}{13}X\frac{11}{1X35}=\frac{2}{13}X\frac{11}{1}=\frac{22}{13}=1\frac{9}{13}$
5. $7\frac{3}{7}X\frac{14}{21}=\frac{52}{7}X\frac{14}{21}=\frac{52}{1X7}X\frac{2X7}{21}=\frac{52}{1}X\frac{2}{21}=\frac{104}{21}=4\frac{20}{21}$
6. $9\frac{1}{3}X4\frac{5}{7}=\frac{28}{3}X\frac{33}{7}=\frac{4X7}{1X3}X\frac{11X3}{1X7}=\frac{4}{1}X\frac{11}{1}=4X11=44$
7. $3\frac{3}{19}X5\frac{14}{20}=\frac{60}{19}X\frac{114}{20}=\frac{3X20}{1X19}X\frac{6X19}{1X20}=\frac{3}{1}X\frac{6}{1}=3X6=18$
8. $10\frac{10}{17}X3\frac{3}{18}=\frac{180}{17}X\frac{57}{18}=\frac{10X18}{17}X\frac{57}{1X18}=\frac{10}{17}X\frac{57}{1}=\frac{570}{17}=33\frac{9}{17}$
9. $10\frac{5}{11}X7\frac{4}{23}=\frac{115}{11}X\frac{165}{23}=\frac{5X23}{11}X\frac{165}{1X23}=\frac{5}{11}X\frac{165}{1}=\frac{825}{11}=\frac{75X11}{1X11}=\frac{75}{1}=75$
10. $8\frac{6}{9}X\frac{11}{33}=\frac{78}{9}X\frac{11}{33}=\frac{26X3}{9}X\frac{11}{11X3}=\frac{26}{9}X\frac{11}{11}=\frac{26}{9}X1=\frac{26}{9}=2\frac{8}{9}$
11. $\frac{3}{9}X\frac{2}{5}X\frac{279}{405}=\frac{1X3}{1X9}X\frac{2}{5}X\frac{31X9}{135X3}=\frac{1}{1}X\frac{2}{5}X\frac{31}{135}=\frac{62}{675}$
12. $5\frac{4}{7}X\frac{8}{13}X\frac{9}{72}=\frac{39}{7}X\frac{8}{13}X\frac{9}{72}=\frac{3X13}{7}X\frac{8}{1X13}X\frac{9}{72}=\frac{3}{7}X\frac{8}{1}X\frac{9}{72}=\frac{3X8}{7X1}X\frac{9}{72}=\frac{24}{7}X\frac{9}{72}=\frac{2X12}{7}X\frac{9}{6X12}=\frac{2}{7}X\frac{9}{6}=\frac{18}{42}=\frac{3X6}{7X6}=\frac{3}{7}$
13. $\frac{7}{51}X\frac{3}{8}X\frac{187}{252}=\frac{7}{17X3}X\frac{1X3}{8}X\frac{187}{252}=\frac{7}{17}X\frac{1}{8}X\frac{187}{252}=\frac{7X1}{17X8}X\frac{187}{252}=\frac{7}{136}X\frac{187}{252}=\frac{1X7}{8X17}X\frac{11X17}{36X7}=\frac{1}{8}X\frac{11}{36}=\frac{11}{288}$
14. $\frac{10}{18}X\frac{96}{9}X\frac{117}{128}=\frac{10}{3X6}X\frac{16X6}{9}X\frac{117}{128}=\frac{10}{3}X\frac{16}{9}X\frac{117}{128}=\frac{10X16}{3X9}X\frac{117}{128}=\frac{160}{27}X\frac{117}{128}=\frac{5X32}{9X3}X\frac{39X3}{4X32}=\frac{5}{9}X\frac{39}{4}=\frac{5X39}{9X4}=\frac{195}{36}=\frac{65X3}{12X3}=\frac{65}{12}=5\frac{5}{12}$
15. $\frac{17}{19}X\frac{38}{12}X\frac{36}{102}=\frac{1X17}{1X19}X\frac{2X19}{1X12}X\frac{3X12}{6X17}=\frac{1}{1}X\frac{2}{1}X\frac{3}{6}=\frac{2}{1}X\frac{3}{6}=\frac{1X2}{1}X\frac{3}{3X2}=\frac{1}{1}X\frac{3}{3}=\frac{3}{3}=1$