

Aufgabe 1: Berechne

1) $\frac{7}{8} + \frac{9}{3} =$

2) $\frac{4}{2} : \frac{7}{2} =$

3) $\frac{2}{6} - \frac{8}{4} =$

4) $\frac{7}{6} + \frac{3}{2} =$

5) $\frac{6}{7} : \frac{4}{3} =$

6) $\frac{8}{6} - \frac{3}{4} =$

7) $\frac{5}{4} \cdot \frac{8}{4} =$

8) $\frac{8}{3} \cdot \frac{6}{7} =$

9) $\frac{6}{7} \cdot \frac{2}{9} =$

10) $\frac{3}{4} - \frac{9}{5} =$

11) $\frac{4}{9} - \frac{7}{6} =$

12) $\frac{8}{6} : \frac{7}{3} =$

13) $\frac{7}{8} - \frac{8}{9} =$

14) $\frac{7}{2} : \frac{5}{6} =$

15) $\frac{3}{4} \cdot \frac{8}{4} =$

Lösung:

1) $\frac{7}{8} + \frac{9}{3} = \frac{21}{24} + \frac{72}{24} = \frac{93}{24} = \frac{31}{8}$

2) $\frac{4}{2} : \frac{7}{2} = \frac{4}{2} \cdot \frac{2}{7} = \frac{8}{14} = \frac{4}{7}$

3) $\frac{2}{6} - \frac{8}{4} = \frac{4}{12} - \frac{24}{12} = \frac{-20}{12} = \frac{-5}{3}$

4) $\frac{7}{6} + \frac{3}{2} = \frac{7}{6} + \frac{9}{6} = \frac{16}{6} = \frac{8}{3}$

5) $\frac{6}{7} : \frac{4}{3} = \frac{6}{7} \cdot \frac{3}{4} = \frac{18}{28} = \frac{9}{14}$

6) $\frac{8}{6} - \frac{3}{4} = \frac{16}{12} - \frac{9}{12} = \frac{7}{12}$

7) $\frac{5}{4} \cdot \frac{8}{4} = \frac{40}{16} = \frac{5}{2}$

8) $\frac{8}{3} \cdot \frac{6}{7} = \frac{48}{21} = \frac{16}{7}$

9) $\frac{6}{7} \cdot \frac{2}{9} = \frac{12}{63} = \frac{4}{21}$

10) $\frac{3}{4} - \frac{9}{5} = \frac{15}{20} - \frac{36}{20} = \frac{-21}{20}$

11) $\frac{4}{9} - \frac{7}{6} = \frac{8}{18} - \frac{21}{18} = \frac{-13}{18}$

12) $\frac{8}{6} : \frac{7}{3} = \frac{8}{6} \cdot \frac{3}{7} = \frac{24}{42} = \frac{4}{7}$

13) $\frac{7}{8} - \frac{8}{9} = \frac{63}{72} - \frac{64}{72} = \frac{-1}{72}$

14) $\frac{7}{2} : \frac{5}{6} = \frac{7}{2} \cdot \frac{6}{5} = \frac{42}{10} = \frac{21}{5}$

15) $\frac{3}{4} \cdot \frac{8}{4} = \frac{24}{16} = \frac{3}{2}$