

$$S. 83/3 a) \quad \frac{4}{7} : \frac{2}{21} = \frac{4}{7} \cdot \frac{21}{2} = \frac{4 \cdot 21}{7 \cdot 2} = \frac{2 \cdot 3}{1 \cdot 1} = \underline{\underline{6}}$$

$$b, \quad \frac{3}{4} : \left(-\frac{5}{2}\right) = -\frac{3}{4} \cdot \frac{2}{5} = -\frac{3 \cdot 1}{2 \cdot 5} = -\underline{\underline{\frac{3}{10}}}$$

$$c) \quad \frac{6}{7} \cdot \frac{2}{3} = \frac{6 \cdot 2}{7 \cdot 3} = \frac{2 \cdot 2}{7 \cdot 1} = \underline{\underline{\frac{4}{7}}}$$

$$d) \quad \frac{5}{6} : \frac{2}{3} = \frac{5}{6} \cdot \frac{3}{2} = \frac{5 \cdot 3}{6 \cdot 2} = \frac{5 \cdot 1}{2 \cdot 2} = \underline{\underline{\frac{5}{4}}}$$

$$e) \quad \frac{9}{16} : \left(-\frac{3}{4}\right) = -\frac{9}{16} \cdot \frac{4}{3} = -\frac{9 \cdot 4}{16 \cdot 3} = -\frac{3 \cdot 1}{4 \cdot 1} = -\underline{\underline{\frac{3}{4}}}$$

$$f) \quad \frac{8}{15} - \frac{4}{5} = \frac{8}{15} - \frac{12}{15} = -\frac{4}{15}$$

$$g) \quad \frac{21}{22} : \frac{14}{55} = \frac{21}{22} \cdot \frac{55}{14} = \frac{21 \cdot 55}{22 \cdot 14} = \frac{3 \cdot 5}{2 \cdot 2} = \underline{\underline{\frac{15}{4}}}$$

$$h) \quad \frac{18}{35} : \frac{9}{70} = \frac{18 \cdot 70}{35 \cdot 9} = \frac{2 \cdot 2}{1 \cdot 1} = \underline{\underline{4}}$$

$$i) \quad 3\frac{1}{2} : 1,5 = \frac{7}{2} : \frac{3}{2} = \frac{7 \cdot 2}{2 \cdot 3} = \underline{\underline{\frac{7}{3}}}$$

$$j) \quad -1\frac{3}{4} : 2\frac{5}{8} = -\frac{7}{4} : \frac{21}{8} =$$

$$= -\frac{7 \cdot 8}{4 \cdot 21} = -\frac{1 \cdot 2}{1 \cdot 3} = -\underline{\underline{\frac{2}{3}}}$$

$$k) \quad 2,25 : \frac{4}{12} = 2\frac{1}{4} : \frac{1}{3} \quad (\text{gleich machen})$$

$$= \frac{9}{4} \cdot \frac{3}{1} = \underline{\underline{\frac{27}{4}}}$$

$$\begin{aligned} b) \quad -1 \frac{3}{5} : \left(-1 \frac{1}{15}\right) &= + \frac{8}{5} : \frac{16}{15} = \\ &= \frac{8 \cdot 15}{5 \cdot 16} = \frac{1 \cdot 3}{1 \cdot 2} = \underline{\underline{\frac{3}{2}}} \end{aligned}$$