Lösungen 05.02.2021 (79/2)

S. 79 /2 a) $\frac{2}{5} \cdot \frac{5}{3} = \frac{2 \cdot 5}{5 \cdot 3} = \underline{\underline{\frac{2}{3}}}$

b) $80\% \cdot \frac{10}{3} = \frac{80}{100} \cdot \frac{10}{3} =$

$= \frac{8}{10} \cdot \frac{10}{3} = \frac{8 \cdot 10}{10 \cdot 3} = \frac{8}{3} = \underline{\underline{2\frac{2}{3}}}$

c) $-\frac{3}{2} \cdot \left(-\frac{2}{5}\right) = \frac{3 \cdot 2}{2 \cdot 5} = \underline{\underline{\frac{3}{5}}}$

d) $\frac{3}{4} \cdot 2\frac{1}{3} = \frac{3}{4} \cdot \frac{7}{3} =$

$= \frac{3 \cdot 7}{4 \cdot 3} = \frac{7}{4} = \underline{\underline{1\frac{3}{4}}}$

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

f) $-\frac{1}{6} \cdot 4\frac{1}{2} = -\frac{1}{6} \cdot \frac{9}{2} = -\frac{1 \cdot 9}{6 \cdot 2} = \underline{\underline{-\frac{3}{4}}}$

g) $(0,\overline{3})^4 = \left(\frac{1}{3}\right)^4 = \frac{1}{3} \cdot \frac{1}{3} \cdot \frac{1}{3} \cdot \frac{1}{3} =$

$= \frac{1 \cdot 1 \cdot 1 \cdot 1}{3 \cdot 3 \cdot 3 \cdot 3} = \underline{\underline{\frac{1}{81}}}$

h) $\frac{2}{7} \cdot \frac{35}{2} = \frac{2 \cdot 35}{7 \cdot 2} = \frac{5}{1} = \underline{\underline{5}}$

i) $\frac{5}{8} \cdot 2^4 = \frac{5 \cdot 2 \cdot 2^3}{2^3} = \frac{5 \cdot 2}{1} = \underline{\underline{10}}$