

Zad. 49

$$a) \frac{3}{4} + \frac{1}{4} \cdot 5 = \frac{3}{4} + \frac{5}{4} = \frac{8}{4} = \textcircled{2}$$

$$b) 1\frac{5}{6} - \frac{1}{6} \cdot 1\frac{1}{2} = 1\frac{5}{6} - \frac{1}{6} \cdot \frac{3}{2} = 1\frac{5}{6} - \frac{1}{4} = \\ = 1\frac{10}{12} - \frac{3}{12} = \textcircled{1\frac{7}{12}}$$

$$c) (1\frac{3}{8} + 2\frac{5}{6}) \cdot 12 = (1\frac{9}{24} + 2\frac{20}{24}) \cdot 12 = \\ = 3\frac{29}{24} \cdot 12 = \frac{101}{24} \cdot 12 = \frac{101}{2} = \textcircled{50,5}$$

$$\begin{array}{r} 24 \\ + 29 \\ \hline 101 \end{array}$$

$$d) 1\frac{1}{3} \cdot (3 + 2 \cdot \frac{3}{4}) = 1\frac{1}{3} \cdot (3 + 1\frac{1}{2}) = \\ = 1\frac{1}{3} \cdot 4\frac{1}{2} = \frac{4}{3} \cdot \frac{9}{2} = \textcircled{6}$$

$$e) 6\frac{1}{6} : \frac{1}{6} - 2\frac{1}{4} : 2 = \frac{37}{8} \cdot 6 - \frac{9}{4} \cdot \frac{1}{2} = \\ = 37 - \frac{9}{8} = 37 - 1\frac{1}{8} = 36\frac{8}{8} - 1\frac{1}{8} = \textcircled{35\frac{7}{8}}$$

$$f) (4\frac{1}{6} - 3\frac{5}{7}) : 19 = (4\frac{7}{42} - 3\frac{30}{42}) : 19 = \\ = (3\frac{19}{42} - 3\frac{30}{42}) : 19 = \frac{19}{42} : 19 = \textcircled{\frac{1}{42}}$$

$$g) 1\frac{7}{9} : 2\frac{2}{3} - \frac{2}{5} : 1\frac{3}{5} =$$

$$= \frac{16}{9} \cdot \frac{3}{8} - \frac{2}{5} \cdot \frac{5}{8} = \frac{2}{3} - \frac{1}{4} =$$

$$= \frac{8}{12} - \frac{3}{12} = \left(\frac{5}{12}\right)$$

$$h) 2\frac{1}{2} \cdot \left(\frac{4}{5} - \frac{1}{2}\right)^2 = 2\frac{1}{2} \cdot (0,8 - 0,5)^2 =$$

$$= 2\frac{1}{2} \cdot 0,3^2 = 2,5 \cdot 0,09 = \left(0,225\right) \left(\frac{9}{40}\right)$$

$$i) 4\frac{3}{5} - \left(\frac{1}{2}\right)^3 \cdot \frac{8}{9} = 4\frac{3}{5} - \frac{1}{8} \cdot \frac{8}{9} =$$

$$= 4\frac{3}{5} - \frac{1}{9} = 4\frac{27}{45} - \frac{5}{45} = \left(4\frac{22}{45}\right)$$

zad. 93

a)  $4,2 + \frac{1}{4} = 4,2 + 0,25 = 4,45$

$2,35 + \frac{1}{2} = 2,35 + 0,5 = 2,85$

$3,203 + \frac{1}{4} = 3,203 + 0,25 = 3,453$

$14\frac{2}{3} + 0,5 = 14\frac{4}{6} + \frac{3}{6} = 14\frac{7}{6} = 15\frac{1}{6}$

b)  $2,35 - \frac{3}{4} = 2,35 - 0,75 = 1,6$

$4,15 - 1\frac{1}{4} = 4,15 - 1,25 = 2,9$

$31,105 - \frac{1}{8} = 31,105 - 0,125 = 30,98$

$\frac{5}{8} - 0,5 = 0,625 - 0,5 = 0,125$

$$\begin{array}{r} 3,05 \\ 6,10 \\ \hline 12,2 \end{array} \cdot \frac{1}{2} = 3,05$$

$$4,5 \cdot 2\frac{1}{4} = 4,5 \cdot \frac{9}{4} = 4\frac{1}{2} \cdot \frac{9}{4} = \frac{9}{2} \cdot \frac{9}{4} = \frac{81}{4} = 20\frac{1}{4}$$

$$\begin{array}{r} 24 \\ 7,2 \\ \hline 14,4 \end{array} \cdot \frac{1}{3} = 2,4$$

$$\begin{array}{r} 0,7 \\ 4,9 \\ \hline 9,8 \end{array} \cdot \frac{2}{7} = 1,4$$

$$d) \quad 1,3 : 5\frac{1}{5} = 1,3 : 5,2 = 13 : 52 = \frac{13}{52} = \frac{1}{4}$$

$$2,35 : 9\frac{2}{5} = 2,35 : 9,4 = \frac{235}{94} = 2\frac{47}{94} = 2\frac{1}{2}$$

$$\begin{array}{r} 94 \\ -2 \\ \hline 188 \end{array} \quad \begin{array}{r} 235 \\ -188 \\ \hline 47 \end{array}$$

$$1\frac{4}{5} : 2,25 = \frac{9}{5} : 2\frac{1}{4} = \frac{9}{5} \cdot \frac{4}{9} = \frac{4}{5}$$

$$1,7 : \frac{1}{20} = 1,7 \cdot 20 = 34,0 = 34$$