

DZ86/113

REŠITVE

a) $3 + \frac{2}{3} \cdot \frac{6}{5} =$
 $= 3 + \frac{4}{5} =$
 $= 3\frac{4}{5}$

b) $4\frac{2}{3} + \frac{4}{9} : \frac{1}{3} =$
 $= 4\frac{2}{3} + \frac{4}{9} \cdot \frac{3}{1} =$
 $= 4\frac{2}{3} + \frac{4}{3} =$
 $= 4\frac{6}{3} =$
 $= 6$

c) $1\frac{3}{4} \cdot 1\frac{1}{5} + 3,5 =$
 $= \frac{7}{4} \cdot \frac{6}{5} + \frac{35}{10} =$
 $= \frac{21}{10} + \frac{35}{10} =$
 $= \frac{56}{10} =$
 $= 5\frac{6}{10} =$
 $= 5\frac{3}{5}$

e) $\frac{3}{5} : 2,25 + \frac{1}{5} =$
 $= \frac{3}{5} : \frac{225}{100} + \frac{1}{5} =$
 $= \frac{3}{5} \cdot \frac{100}{225} + \frac{1}{5} =$
 $= \frac{4}{15} + \frac{3}{15} =$
 $= \frac{7}{15}$

d) $3\frac{1}{4} \cdot 4 - 12\frac{1}{3} : 2 =$
 $= \frac{13}{4} \cdot 4 - \frac{37}{3} : \frac{1}{2} =$
 $= 13 - \frac{37}{6} =$
 $= \frac{78}{6} - \frac{37}{6} =$
 $= \frac{41}{6} =$
 $= 6\frac{5}{6}$

e) $4,2 : 3 + 2\frac{4}{9} \cdot 1\frac{7}{11} =$
 $= \frac{42}{10} : \frac{1}{3} + \frac{22}{9} \cdot \frac{18}{11} =$
 $= \frac{7}{5} + 4 =$
 $= 4\frac{7}{5} =$
 $= 5\frac{2}{5}$

f) $\left(\frac{2}{5} + \frac{1}{4}\right) : 9\frac{1}{10} =$
 $= \left(\frac{8}{20} + \frac{5}{20}\right) : \frac{91}{10} =$
 $= \frac{13}{20} \cdot \frac{10}{91} =$
 $= \frac{1}{14}$

g) $10 \cdot \left(0,75 + \frac{4}{5}\right) =$
 $= 10 \cdot \left(\frac{3}{4} + \frac{4}{5}\right) =$
 $= 10 \cdot \left(\frac{15}{20} + \frac{16}{20}\right) =$
 $= 10 \cdot \frac{31}{20} =$
 $= \frac{31}{2} =$
 $= 15\frac{1}{2}$

DZ 86/114

REŠITVE

a) $\frac{5}{6} \cdot \left(\frac{4}{5} + \frac{2}{3}\right) \cdot \frac{2}{11} =$
 $= \frac{5}{6} \cdot \left(\frac{12}{15} + \frac{10}{15}\right) \cdot \frac{2}{11} =$
 $= \frac{5}{6} \cdot \frac{22}{15} \cdot \frac{2}{11} =$
 $= \frac{5 \cdot 22 \cdot 2}{6 \cdot 15 \cdot 11} =$
 $= \frac{5 \cdot 2 \cdot 2}{6 \cdot 15 \cdot 11} =$
 $= \frac{2}{9}$

b) $\left(0,25 + \frac{2}{5} + \frac{1}{6}\right) : 2\frac{1}{3} =$
 $= \left(\frac{1}{4} + \frac{2}{5} + \frac{1}{6}\right) : \frac{7}{3} =$
 $= \left(\frac{15}{60} + \frac{24}{60} + \frac{10}{60}\right) : \frac{7}{3} =$
 $= \frac{49}{60} : \frac{7}{3} =$
 $= \frac{7}{20}$

c) $\frac{4}{5} \cdot \left(1,25 + \frac{10}{8} - \frac{5}{4}\right) =$
 $= \frac{4}{5} \cdot \left(\frac{5}{4} + \frac{10}{8} - \frac{5}{4}\right) =$
 $= \frac{4}{5} \cdot \frac{10}{8} =$
 $= 1$

e) $\left(\frac{3}{4} - \frac{1}{2}\right) : \left(\frac{2}{3} - \frac{1}{2}\right) =$
 $= \left(\frac{3}{4} - \frac{2}{4}\right) : \left(\frac{4}{6} - \frac{3}{6}\right) =$
 $= \frac{1}{4} : \frac{1}{6} =$
 $= \frac{1 \cdot 6}{4 \cdot 1} =$
 $= \frac{6}{4} =$
 $= 1\frac{1}{2}$

d) $\left(\frac{3}{4} + \frac{1}{2}\right) \cdot \left(3 - \frac{1}{3}\right) \cdot 0,2 =$
 $= \left(\frac{3}{4} + \frac{2}{4}\right) \cdot \left(\frac{9}{3} - \frac{1}{3}\right) \cdot \frac{1}{5} =$
 $= \frac{5}{4} \cdot \frac{8}{3} \cdot \frac{1}{5} =$
 $= \frac{2}{3}$

f) $\left(\frac{1}{2} + \frac{1}{3} - \frac{1}{6}\right) : \left(\frac{11}{12} - \frac{3}{10} + \frac{1}{20}\right) =$
 $= \left(\frac{3}{6} + \frac{2}{6} - \frac{1}{6}\right) : \left(\frac{55}{60} - \frac{18}{60} + \frac{3}{60}\right) =$
 $= \frac{4}{6} : \frac{40}{60} =$
 $= \frac{2}{3} \cdot \frac{60}{40} =$
 $= 1$

g) $\left(\left(\frac{1}{8} \cdot \frac{7}{9}\right) \cdot 9\right) : \left(\frac{1}{8} \cdot \frac{3}{5}\right) =$
 $= \left(\frac{1}{8} \cdot \frac{16}{9} \cdot 9\right) : \left(\frac{1}{8} \cdot \frac{3}{5}\right) =$
 $= 2 : \frac{1}{5} =$
 $= 2 \cdot 5 =$
 $= 10$

