

str. 241 zad. 23

$$a) \underline{9 : \frac{1}{3} - \frac{18}{3} \cdot \frac{1}{2}} = \frac{9}{1} \cdot \frac{3}{1} - \frac{18}{5} \cdot \frac{5}{2} = \frac{27}{1} - \frac{45}{5} = 27 - 9 = 18$$

$$b) 5\frac{1}{4} \cdot \left(1\frac{1}{2} - \frac{2}{7} \right) = 5\frac{1}{4} \cdot \left(1\frac{4}{14} - \frac{4}{14} \right) = \frac{21}{4} \cdot 1\frac{3}{14} = \frac{321}{4} \cdot \frac{17}{14} = \frac{51}{8} = 6\frac{3}{8}$$

$$c) \frac{5}{6} : 10 + 1\frac{1}{3} \cdot \frac{5}{16} = \frac{5}{6} : \frac{10}{1} + \frac{4}{3} \cdot \frac{5}{16} = \frac{5}{6} \cdot \frac{1}{10} + \frac{5}{12} = \frac{1}{12} + \frac{5}{12} = \frac{6}{12} = \frac{1}{2}$$

$$d) 5\frac{1}{3} : \frac{4}{9} : 2 - 1\frac{1}{5} \cdot \frac{5}{12} = \frac{16}{3} \cdot \frac{9}{4} \cdot \frac{1}{2} - \frac{18}{5} \cdot \frac{5}{12} = \frac{12}{2} - \frac{1}{2} = 6 - \frac{1}{2} = 5\frac{1}{2}$$

$$e) \left(\frac{5}{6} \right)^2 : 1\frac{1}{4} \cdot 3^2 - \frac{3}{4} = \frac{25}{6} : \frac{5}{4} \cdot 9 - \frac{3}{4} = \frac{25}{6} \cdot \frac{4}{5} \cdot 9 - \frac{3}{4} = \frac{20}{4} - \frac{3}{4} = 5 - \frac{3}{4} = 4\frac{1}{4}$$

$$f) \frac{2\frac{1}{3} - 1\frac{1}{2}}{\frac{3}{5} : 2 - \frac{1}{4}} = \frac{2\frac{2}{6} - 1\frac{3}{6}}{\frac{3}{5} \cdot \frac{1}{2} - \frac{1}{4}} = \frac{\frac{5}{6}}{\frac{3}{10} - \frac{1}{4}} = \frac{\frac{5}{6}}{\frac{12}{40} - \frac{10}{40}} = \frac{\frac{5}{6}}{\frac{2}{40}} = \frac{5}{6} \cdot \frac{40}{2} = \frac{5}{6} \cdot \frac{20}{1} = \frac{50}{3} = 16\frac{2}{3}$$