

RJEŠENJA 8. PISMENE VJEŽBE - B grupa

1. a) $-5\frac{3}{7} \cdot 2\frac{4}{19} = -\frac{38}{7} \cdot \frac{42}{19} = -12$

b) $-6\frac{2}{5} \cdot \left(-3\frac{1}{8}\right) = -\frac{32}{5} \times \left(-\frac{25}{8}\right) = \frac{32}{5} \times \frac{25}{8} = 20$

c) $4\frac{4}{5} : \left(-5\frac{1}{7}\right) = \frac{24}{5} : \left(\frac{-36}{7}\right) = -\frac{24}{5} \times \frac{7}{36} = -\frac{14}{15}$

2. a) $-\frac{1}{5}$ od 0.03 jest $-\frac{1}{5} \cdot 0.03 = -\frac{0.03}{5} = -0.006$

b) 0.81 od $\frac{5}{9}$ jest $0.81 \cdot \frac{5}{9} = 0.09 \cdot 5 = 0.45$

3. a) $-6 : 0.15 - \frac{7}{8} : \left(-\frac{7}{24}\right) = -40 - \frac{7}{8} : \left(-\frac{7}{24}\right) = -40 + \frac{7}{8} \times \frac{24}{7} = -40 + 3 = -37$

b) $-2\frac{1}{3} : (-7) - 1.1 : 0.5 = -\frac{7}{3} : (-7) - 2.2 = \frac{1}{3} - 2.2 =$
 $= \frac{1}{3} - \frac{22}{10} = \frac{10}{30} - \frac{66}{30} = \frac{-56}{30} = \frac{-28}{15} = -1\frac{13}{15}$

4. a) $-2 : \frac{3}{5} = -2 \times \frac{5}{3} = \frac{-10}{3} = -3\frac{1}{3}$

b) $-\frac{2}{5} : (-4) = \frac{-2}{5} \times \frac{-1}{4} = \frac{1}{10}$

5. a) $-3.6 : 2\frac{1}{4} - 2.7 : (-0.3) = -3.6 : \frac{9}{4} + 9 = -\frac{36}{10} \times \frac{4}{9} + 9 = -\frac{16}{10} + 9 = -1.6 + 9 = 7.4$

b) $(-0.56 : 1.4 - \frac{3}{4} \cdot 1.2) \cdot \frac{5}{13} = \left(-0.4 - \frac{3}{4} \times \frac{12}{10}\right) \cdot \frac{5}{13} = \left(-\frac{4}{10} - \frac{9}{10}\right) \cdot \frac{5}{13} = -\frac{13}{10} \times \frac{5}{13}$

$= -\frac{1}{2}$

6. a) $1.8 : \left(-\frac{3}{5}\right) - 2.125 \cdot 2\frac{2}{3} = -\frac{18}{10} \times \frac{5}{3} - 2\frac{1}{8} \cdot \frac{8}{3} = -\frac{6}{2} - \frac{17}{8} \times \frac{8}{3} =$
 $= -\frac{3}{1} - \frac{17}{3} = \frac{-9}{3} - \frac{17}{3} = \frac{-26}{3} = -8\frac{2}{3}$

b) $-1.7 : (-5.1) - \frac{7}{8} : \frac{21}{32} = \frac{1.7}{5.1} - \frac{7}{8} \times \frac{32}{21} = \frac{17}{51} - \frac{4}{3} = \frac{1}{3} - \frac{4}{3} = \frac{-3}{3} = -1$