

Dragi učenici prošli sat ste ponavljali naučeno o racionalnim brojevima. Vaš prvi zadatak danas je provjeriti svoja rješenja od prošlog tjedna (8.5.2020.):

8.5.2020.

Rješenja

1. a) riješen

$$b) \frac{14}{3} : (-0.7) = \frac{14}{3} : \left(-\frac{7}{10}\right) = \frac{14}{3} \cdot \left(\frac{-10}{7}\right) = -\frac{20}{3} = -6\frac{2}{3}$$

$$c) -\frac{4}{5} : (-1.6) = \frac{-4}{5} : \left(\frac{-16}{10}\right) = \frac{4}{5} \cdot \frac{10}{16} = \frac{2}{4} = \frac{1}{2}$$

$$d) -0.9 : \frac{3}{20} = \frac{-9}{10} \cdot \frac{20}{3} = \frac{-6}{1} = -6$$

2. a) riješen

$$b) -\frac{3}{10} + \left(\frac{1}{8} : \frac{5}{4}\right) = -\frac{3}{10} + \frac{1}{8} \cdot \frac{4}{5} = -\frac{3}{10} + \frac{1}{10} = \frac{-2}{10} = -\frac{1}{5}$$

$$c) \left(\frac{2}{9} : \frac{4}{27}\right) - \left(-3 : \frac{6}{7}\right) = \frac{2}{9} \cdot \frac{27}{4} - \left(-\frac{3}{1} \cdot \frac{7}{6}\right) = \frac{3}{2} - \left(-\frac{7}{2}\right) = \frac{3}{2} + \frac{7}{2} = \frac{10}{2} = 5$$

$$d) -8 - \left(-\frac{15}{28} : \frac{5}{7}\right) = -8 - \left(-\frac{15}{28} \cdot \frac{7}{5}\right) = -8 - \left(-\frac{3}{4}\right) = -8 + \frac{3}{4} = \frac{-32+3}{4} = \frac{-29}{4} = -7\frac{1}{4}$$

$$e) \left(2 : 0.4\right) - 1\frac{1}{2} = 2 : \frac{4}{10} - \frac{3}{2} = \frac{2}{1} \cdot \frac{10}{4} - \frac{3}{2} = \frac{5}{1} - \frac{3}{2} = \frac{10-3}{2} = \frac{7}{2} = 3\frac{1}{2}$$

$$f) \left(\frac{1}{3} - \frac{1}{2}\right) : \left(\frac{1}{2} + \frac{1}{3}\right) = \frac{2-3}{6} : \frac{3+2}{6} = \frac{-1}{6} : \frac{5}{6} = \frac{-1}{6} \cdot \frac{6}{5} = \frac{-1}{5}$$

$$g) -2\frac{1}{6} \cdot \left(\frac{1}{2} - 1.5\right) = -\frac{13}{6} \cdot \left(\frac{1}{2} - \frac{15}{10}\right) = -\frac{13}{6} \cdot \left(\frac{1}{2} - \frac{3}{2}\right) = -\frac{13}{6} \cdot \left(\frac{-2}{2}\right) = \frac{13}{6} = 2\frac{1}{6}$$

$$h) \left(-\frac{4}{5} : \frac{8}{15}\right) \cdot \left(-\frac{6}{21}\right) = \left(-\frac{4}{5} \cdot \frac{15}{8}\right) \cdot \left(-\frac{6}{21}\right) = \left(\frac{-3}{2}\right) \cdot \left(\frac{-3}{7}\right) = \frac{3}{7}$$

$$i) 1\frac{3}{10} : \left(\frac{1}{2} - \frac{1}{5}\right) = \frac{13}{10} : \left(\frac{5-2}{10}\right) = \frac{13}{10} : \frac{3}{10} = \frac{13}{10} \cdot \frac{10}{3} = \frac{13}{3} = 4\frac{1}{3}$$

Nakon što provjeriš rješenja, **KOMENTIRAJ (klikni na "odgovori")** moju današnju objavu u kanalu Matematika . U komentaru zapiši jesi li sve zadatke točno riješio/la (navedi koje

zadatke si krivo riješio/la).



*ostatak uputa nalazi se na sljedećoj stranici

Nakon provjeresvojih rješenja, **OBAVEZNO** pristupi kvizu profesorice Sever o racionalnim brojevima.
Poveznicu za kviz poslat ću Vam na Teams.

TO JE TO ZA DANAS 😊