

Zadatak 25. Odredi broj c ako je $a : b = 3 : 2$, $b : c = 3 : 5$, te $a + b + c = \frac{25}{36}$.

Rješenje. $b = \frac{3}{5}c$; $a : \frac{3}{5}c = 3 : 2$, $\frac{5a}{3c} = \frac{3}{2}$, $a = \frac{9}{10}c$. Sada imao

$$\frac{9}{10}c + \frac{3}{5}c + c = \frac{25}{36}, \quad \frac{25}{10}c = \frac{25}{36}, \quad c = \frac{5}{18}.$$