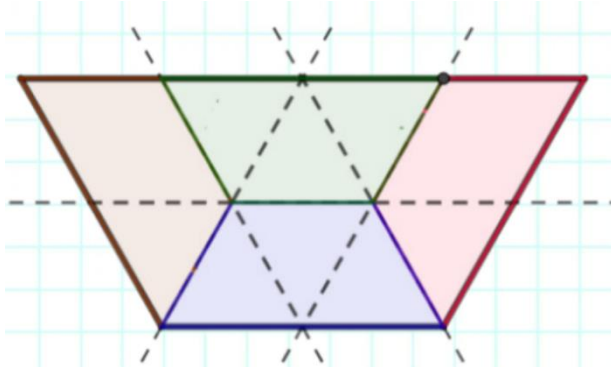


Pulmasivu: Back to school

Ratkaisuja

Anastasia Vlasova

1.



2.

$$\frac{1}{2023} = \frac{1}{a} + \frac{1}{b} + \frac{1}{c} + \frac{1}{d} + \frac{1}{f}$$

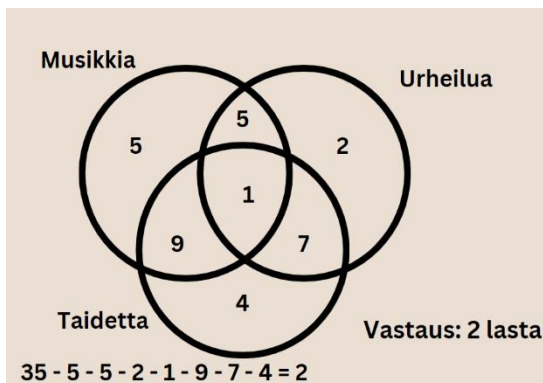
$$\frac{1}{x} + \frac{1}{7x} + \frac{1}{17x} + \frac{1}{7 \cdot 17x} + \frac{1}{289x} = \frac{1}{2023}$$

Ratkaise: $\{x = 2455\}$

$a = 2455$
 $\rightarrow a = 2455$
 $b = 7 \cdot 2455$
 $\rightarrow b = 17185$
 $c = 17 \cdot 2455$
 $\rightarrow c = 41735$
 $d = 7 \cdot 17 \cdot 2455$
 $\rightarrow d = 292145$
 $f = 289 \cdot 2455$
 $\rightarrow f = 709495$

Jaa Tekijöihin(2023)
 $\rightarrow 7 \cdot 17^2$

3.



4. $5k + 4v + 3p = 1,4$
 $7k + 8v + 9p = 2,2$
 lasketaan yhteen
 $12k + 12v + 12p = 3,6$
 $k + v + p = 0,3$
 Vastaus: 0,3 euroa