

Қатысушының атын толтыруға арналған өріс / Поле для заполнения имени участника Парақ / Страница №

N1
a)
$$\begin{cases} x - \frac{1}{5} = 0 \\ y - \frac{1}{x} = 1 \end{cases}$$

$x = \frac{1}{y}$

$$\begin{cases} \frac{1}{y} - \frac{1}{5} = 0 \\ y - \frac{1}{\frac{1}{y}} = 1 \end{cases}$$

~~$$\begin{cases} \frac{1}{y} - \frac{1}{5} = 0 \\ y - \frac{1}{\frac{1}{y}} = 1 \end{cases}$$~~

~~$$\begin{cases} x - \frac{1}{5} = 0 \\ y - \frac{1}{x} = 1 \end{cases}$$~~

$$\begin{cases} \frac{1}{2y} - \frac{2}{2y} = 1 \\ -\frac{1}{y} = 1 \\ x = 0 \end{cases}$$

т.к.

~~$$\begin{cases} x - \frac{1}{5} = 0 \\ y - \frac{1}{x} = 1 \end{cases}$$~~

$$\begin{cases} x - \frac{1}{5} = 1 \\ y - \frac{1}{x} = 2 \end{cases}$$

$x = \frac{2}{5}$

$$\begin{cases} \frac{2}{5} - \frac{1}{5} = 1 \\ y - \frac{1}{\frac{2}{5}} = 2 \end{cases}$$

$\frac{2}{5} = \frac{2}{5} = 3$

$x = 3$

N2
a) $42 \cdot 12 = 504$

Қатысушының шешімдерін толтыруға арналған өріс / Поле для заполнения решений участника Парақ / Страница №

№2

$$a) (12 \cdot 7 = 84 \quad 42 \cdot 11 = 462 \quad 462 + 84 = 546)$$

$$42 \cdot 12 = 504 \quad 504 + 7 = 511 \quad 511 - 12 = 499 \quad \text{жә: } 511$$

$$b) 11 \cdot 42 = 462 \quad 462 + 7 = 469 \quad \text{жә: } 469$$

N 3

а)

2, 3, 7;

$$12 - 3 = 9$$

ж: 9; 10

$$12 - 2 = 10$$

$$2 + 3 + 7 = 12$$

$$12 - 2 = 10$$

~~ж: 4; 6~~

$$12 - 3 = 9$$

б)

~~5 + 4 + 3 = 12~~ 3; 4; 6

$$13 - 3 = 10$$

ж: 10; 9

$$13 - 4 = 9$$

$$\left(\frac{1}{5} + \frac{1}{4} + \frac{1}{3} \right) = \frac{4 + 3 + 5}{12} = \frac{12}{12} = 1$$

$$\begin{array}{r} 11 \\ + 62 \\ \hline 73 \end{array}$$

$$7 \frac{x}{12}$$

$$84 + 2 + 462 + x$$

$$2x + 546$$

$$273$$

$$\begin{array}{r} 273 \overline{) 12} \\ \underline{24} \\ 33 \\ \underline{-24} \\ 49 \end{array}$$

$$\begin{array}{r} 255 \overline{) 12} \\ \underline{24} \\ 15 \\ \underline{-12} \\ 3 \end{array}$$

$$\begin{array}{r} 265 \overline{) 12} \\ \underline{24} \\ 25 \\ \underline{-24} \\ 1 \end{array}$$

$$\begin{array}{r} 271 \overline{) 12} \\ \underline{24} \\ 31 \\ \underline{-24} \\ 4 \end{array}$$

$$\begin{array}{r} 271 \overline{) 42} \\ \underline{252} \\ 19 \end{array}$$

$$\begin{array}{r} 231 \overline{) 12} \\ \underline{12} \\ 111 \\ \underline{108} \\ 3 \end{array}$$

$$\begin{array}{r} 571 \overline{) 12} \\ \underline{88} \\ 487 \\ \underline{+91} \\ 84 \\ \underline{4} \\ 4 \end{array}$$

$$\begin{array}{r} 571 \overline{) 42} \\ \underline{42} \\ 151 \\ \underline{126} \\ 25 \end{array}$$

$$\begin{array}{r} 571 \overline{) 11} \\ \underline{55} \\ 21 \\ \underline{11} \\ 10 \end{array}$$

$$\begin{array}{r} 42 \\ \times 11 \\ \hline 42 \\ + 42 \\ \hline 462 \overline{) 12} \\ \underline{36} \\ 102 \\ \underline{96} \\ 6 \end{array}$$

$$\begin{array}{r} 42 \\ \times 11 \\ \hline 42 \\ + 42 \\ \hline 462 \overline{) 12} \\ \underline{42} \\ 0 \end{array}$$

$$\begin{array}{r} 251 \overline{) 12} \\ \underline{22} \\ 11 \end{array}$$

$$7 \frac{x}{12} + 11 \frac{x}{42} = 7 \frac{7x}{84} + 11 \frac{2x}{84} = 18 \frac{9x}{84}$$

$$\begin{array}{r} 24 \times 3 \\ \times 18 \\ \hline 672 \\ + 84 \\ \hline 1512 \overline{) 168} \\ \underline{-9} \\ 61 \\ \underline{-54} \\ 42 \\ \underline{-42} \\ 0 \end{array}$$

$$\begin{array}{r} 539 \overline{) 12} \\ \underline{43} \\ 59 \\ \underline{-48} \\ 11 \end{array}$$

$$\begin{array}{r} 168 \overline{) 12} \\ \underline{12} \\ 48 \\ \underline{48} \\ 0 \end{array}$$

$$7 \frac{x}{11} + 11 \frac{x}{42} = 87 + 2 + 462 + x$$

$$\begin{array}{r} 269 \overline{) 5} \\ \underline{240} \\ 295 \\ \underline{-240} \\ 55 \end{array}$$

$$269$$

$$\begin{array}{r} 539 \overline{) 12} \\ \underline{4} \\ 13 \\ \underline{-12} \\ 19 \\ \underline{-18} \\ 10 \end{array}$$

$$\begin{cases} x - \frac{7}{y} = 0 \\ y - \frac{1}{x} = 0 \end{cases}$$

$$x = \frac{7}{y}$$

$$\begin{cases} x - \frac{7}{y} = 0 \\ y - \frac{1}{x} = 1 \end{cases} \quad y = \frac{1}{x} + 1$$

$$y - \frac{1}{\frac{7}{y}} = 0 \quad 1$$

$$x - \frac{1}{x}$$

$$x - \frac{1}{\frac{1}{x} + 1} = 0$$

$$x - \frac{1}{\frac{2}{x}} = 0$$

$$x - \frac{x}{2} = 0$$

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

$$\begin{cases} \frac{1}{y} - \frac{1}{y} = 0 \\ y - \frac{1}{y} = 1 \end{cases}$$

$$\frac{1}{2y} - \frac{2x}{2y} = 0 \quad -1 = 1 \quad + \rightarrow 0$$

$$12x = 7$$

$$\begin{array}{r} 520 \overline{) 12} \\ -48 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 521 \overline{) 12} \\ -48 \\ \hline 61 \\ 60 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 42 \\ 112 \\ \hline 84 \\ 42 \\ \hline 504 \end{array}$$

$$\begin{array}{r} 522 \overline{) 12} \\ -48 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 522 \overline{) 42} \\ -42 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 501 \overline{) 12} \\ -48 \\ \hline 24 \\ 24 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 611 \overline{) 12} \\ 60 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 527 \overline{) 12} \\ 48 \\ \hline 67 \\ 60 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 511 \overline{) 12} \\ 48 \\ \hline 31 \\ 24 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 511 \overline{) 12} \\ 42 \\ \hline 91 \\ 84 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 512 \overline{) 12} \\ 48 \\ \hline 32 \\ 24 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 513 \overline{) 12} \\ 48 \\ \hline 93 \\ 84 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 504 \overline{) 12} \\ 48 \\ \hline 24 \\ 24 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 715 \overline{) 12} \\ 60 \\ \hline 115 \\ 108 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 524 \overline{) 12} \\ 42 \\ \hline 104 \\ 84 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 16 \\ 504 \overline{) 12} \\ 42 \\ \hline 95 \\ 84 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 515 \overline{) 12} \\ 48 \\ \hline 35 \\ 24 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 508 \overline{) 12} \\ 48 \\ \hline 28 \\ 24 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 715 \overline{) 42} \\ 42 \\ \hline 295 \\ 294 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 509 \overline{) 12} \\ 48 \\ \hline 29 \\ 26 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 1026 \overline{) 12} \\ 96 \\ \hline 66 \\ 60 \\ \hline 6 \end{array}$$

$$7 \frac{x}{12} + 11 \frac{x}{42} = 48 \quad 48 \quad 18 \frac{2x}{12+42} = 18 \frac{2x}{51}$$

$$918 + 2x = 0$$

$$2x = -918$$

$$x = -918 : 2$$

$$x = -459$$

$$\begin{array}{r} 51 \\ 118 \\ \hline 408 \\ 51 \\ \hline 918 \end{array}$$

$$\begin{array}{r} 459 \overline{) 12} \\ 36 \\ \hline 99 \\ 96 \\ \hline 3 \end{array}$$