

ΣΥΝΘΕΤΑ ΚΛΑΣΜΑΤΑ

$$\frac{a}{b} : \frac{\gamma}{\delta} = \frac{\frac{a}{b}}{\frac{\gamma}{\delta}} = \frac{a\delta}{b\gamma}$$

$$\frac{a}{b} : \frac{\gamma}{\delta} = \frac{a}{b} \cdot \frac{\delta}{\gamma} = \frac{a\delta}{b\gamma}$$

$\pi_x$

$$\frac{\frac{3}{4}}{\frac{5}{2}} = \frac{3 \cdot 2}{4 \cdot 5} = \frac{6}{20} \stackrel{:2}{=} \frac{3}{10}$$

$\pi_x$

$$\frac{\frac{7}{3}}{\frac{1}{2}} = \frac{7 \cdot 2}{3 \cdot 1} = \frac{14}{3}$$

$\pi_x$

$$\frac{\frac{3}{2}}{\frac{3}{4}} = \frac{\cancel{3} \cdot \cancel{4}^2}{\cancel{3} \cdot \cancel{4}} = \frac{2}{1} = 2$$

$\pi_x$

$$\frac{\frac{3}{2}}{\frac{5}{6}} = \frac{3 \cdot \cancel{6}^3}{\cancel{2} \cdot 5} = \frac{3 \cdot 3}{1 \cdot 5} = \frac{9}{5}$$

$$n_x \quad \frac{3}{\frac{5}{2}} = \frac{\frac{3}{1}}{\frac{5}{2}} = \frac{3 \cdot 2}{5 \cdot 1} = \frac{6}{5}$$

$$n_x \quad \frac{\frac{4}{3}}{5} = \frac{\frac{4}{3}}{\frac{5}{1}} = \frac{4 \cdot 1}{3 \cdot 5} = \frac{4}{15}$$

$$\textcircled{n_x} \quad \frac{\frac{3}{2}}{\frac{4}{3}} = \frac{3 \cdot 3}{2 \cdot 4} = \frac{9}{8}$$

$$\textcircled{n_x} \quad \frac{\frac{5}{3}}{2} = \frac{\frac{5}{3}}{\frac{2}{1}} = \frac{5 \cdot 1}{2 \cdot 3} = \frac{5}{6}$$

$$\textcircled{n_x} \quad \frac{\frac{4}{7}}{\frac{3}{2}} = \frac{4 \cdot 2}{7 \cdot 3} = \frac{8}{21}$$

$$\frac{\overset{2}{\cancel{3}}}{5} + \frac{\overset{1}{\cancel{4}}}{10} \quad \rightarrow \quad \frac{6}{10} + \frac{4}{10} = \frac{10}{10} = 1$$

$$\frac{\frac{1}{4} + \frac{3}{4}}{\frac{4}{4}} = \frac{4}{4} = 1 = 1$$

Πx ↓ 5

$$\frac{\frac{3}{10} + \frac{1}{2}}{\frac{\overset{2}{\cancel{4}}}{3} - \frac{\overset{1}{\cancel{4}}}{6}} = \frac{\frac{3}{10} + \frac{5}{10}}{\frac{8}{6} - \frac{4}{6}} = \frac{\frac{8}{10}}{\frac{4}{6}} = \frac{\overset{2}{\cancel{8}} \cdot \overset{3}{\cancel{6}}}{\overset{1}{\cancel{4}} \cdot \overset{5}{\cancel{10}}} = \frac{2 \cdot 3}{1 \cdot 5} = \frac{6}{5}$$

Ένας "διαφορετικός" τρόπος.

Γνωρίζω ότι  $\frac{a}{b} = \frac{a \cdot \gamma}{b \cdot \gamma}$  πx  $\frac{3}{4} \xrightarrow{\cdot 2} \frac{6}{8}$

πx  $\frac{8}{10} \xrightarrow{\div 2} \frac{4}{5}$

Εκπ(4,2) = 4

$$\frac{\frac{3}{\overset{4}{\cancel{4}}}}{\frac{5}{\overset{2}{\cancel{2}}}} = \frac{\overset{4}{\cancel{3}}}{\overset{4^2}{\cancel{5 \cdot 2}}} = \frac{3}{10}$$

$$\left( \frac{\frac{3}{4}}{\frac{5}{2}} \right) = \frac{3 \cdot 2}{4 \cdot 5} = \frac{6}{20} \xrightarrow{\div 2} \frac{3}{10}$$