

$$\begin{array}{r} 5,6 \\ -3,7 \\ \hline 1,9 \end{array}$$

$$α) X + 3,7 = 5,6 \rightarrow X = 5,6 - 3,7 = 1,9$$

$$β) X - 4 = 17 \rightarrow X = 17 + 4 = 21$$

$$γ) \frac{3}{X} \cdot \frac{4}{15} \rightarrow 4X = 3 \cdot 15 \rightarrow 4X = 45 \rightarrow X = \frac{45}{4}$$

$$δ) \left(\frac{X}{3}\right) + \frac{5}{6} = \frac{17}{4} \rightarrow \frac{X}{3} = \frac{17}{4} - \frac{5}{6}$$

$$\frac{X}{3} = \frac{51 - 10}{12}$$

$$\frac{X}{3} = \frac{41}{12}$$

$$12 \cdot X = 3 \cdot 41$$

$$X = \frac{3 \cdot 41}{12} \stackrel{:3}{=} \frac{41}{4}$$

Βρες την τιμή του φυσικού αριθμού x: (α) $\frac{x+3}{4} + \frac{1}{2} = \frac{7}{4}$, (β) $\frac{5}{8} + \frac{x}{16} = \frac{3}{4}$, (γ) $\frac{3}{5} + \frac{x+2}{10} = 1$

$$α) \frac{\overset{1}{x+3}}{4} + \frac{\overset{2}{1}}{2} = \frac{\overset{1}{7}}{4}$$

$$\frac{x+3}{4} + \frac{2}{4} = \frac{7}{4}$$

$$\frac{x+3+2}{4} = \frac{7}{4}$$

$$\frac{x+5}{4} = \frac{7}{4}$$

$$x+5 = 7$$

$$x = 7 - 5$$

$$x = 2$$

$$β) \frac{\overset{2}{5}}{8} + \frac{\overset{1}{x}}{16} = \frac{\overset{4}{3}}{4} \quad \text{ΕΚΠ: 16}$$

$$\frac{10}{16} + \frac{x}{16} = \frac{12}{16}$$

$$\frac{10+x}{16} = \frac{12}{16}$$

$$10+x = 12$$

$$x = 12 - 10 = 2$$

$$(γ) \frac{3}{5} + \frac{x+2}{10} = 1$$

$$\frac{2}{3} + \frac{1}{x+2} = \frac{10}{1}$$

$$\frac{6}{10} + \frac{x+2}{10} = \frac{10}{10}$$

$$\frac{6+x+2}{10} = \frac{10}{10}$$

$$\frac{x+8}{10} = \frac{10}{10}$$

$$x+8 = 10$$

$$x = 10 - 8 = 2$$

Να λύσετε τις παρακάτω εξισώσεις:

α. $2x-3=0$ β. $15-x=8$ γ. $5x-7=8$ δ. $15-2x=3$ ε. $11-5x=1$

στ. $\frac{x}{2}-4=3$ ζ. $\frac{2x}{3}=5$ η. $\frac{4}{x}=\frac{3}{5}$ θ. $\frac{2}{3}=\frac{5}{x}$ ι. $\frac{x}{5}+2=7$ ια. $\frac{3x}{4}=\frac{4}{7}$

Να λύσετε τις παρακάτω εξισώσεις:

a. $\frac{x-1}{3}-4=7$ b. $\frac{2x}{5}-\frac{2}{7}=\frac{12}{7}$ c. $\frac{4}{5}-x=\frac{2}{3}$

d. $\frac{7}{2}+2x=\frac{17}{3}$ e. $3x+7=\frac{31}{4}$ f. $\frac{2x-1}{3}=\frac{7}{3}$

g. $\frac{5}{3}-x=\frac{7}{11}$ h. $\frac{x-3}{4}-\frac{1}{2}=\frac{2}{3}$ i. $\frac{x+2}{5}-\frac{4}{3}=1$