

DEBERES PARA EL DÍA 8/4/11. 1º ESO C.

$$x - \frac{x}{3} + \frac{x}{2} = 7 \quad \text{mcm}(3, 2) = 6$$

$$\frac{6x}{6} - \frac{2x}{6} + \frac{3x}{6} = \frac{42}{6} \rightarrow 6x - 2x + 3x = 42 \rightarrow 7x = 42$$

$$x = \frac{42}{7} \rightarrow \boxed{x = 6} \quad \text{Comprobación:}$$

$$6 - \frac{6}{3} + \frac{6}{2} = 7 \rightarrow$$

$$6 - 2 + 3 = 7 \rightarrow 7 = 7. \text{ Sí.}$$

$$\frac{3x-2}{3} + \frac{x}{2} = \frac{7x}{6} \quad \text{mcm}(3, 2, 6) = 6$$

$$\frac{2(3x-2)}{6} + \frac{3x}{6} = \frac{7x}{6} \rightarrow 6x - 4 + 3x = 7x$$

$$6x + 3x - 7x = 4 \rightarrow 2x = 4 \rightarrow x = \frac{4}{2} \rightarrow \boxed{x = 2}$$

$$\text{Comprobación: } \frac{3 \cdot 2 - 2}{3} + \frac{2}{2} = \frac{7 \cdot 2}{6} \rightarrow \frac{2 \cdot 4}{6} + \frac{3 \cdot 2}{6} = \frac{7 \cdot 2}{6}$$

$$8 + 6 = 14 \rightarrow 14 = 14 \rightarrow \text{Sí.}$$

$$x - \frac{x}{5} = \frac{x}{2} + 3 \quad \text{mcm}(5, 2) = 10.$$

$$\frac{10x}{10} - \frac{2x}{10} = \frac{5x}{10} + \frac{30}{10} \rightarrow 10x - 2x - 5x = 30$$

$$3x = 30 \rightarrow x = \frac{30}{3} \rightarrow \boxed{x = 10}$$

$$\text{Comprobación: } 10 - \frac{10}{5} = \frac{10}{2} + 3 \rightarrow 10 - 2 = 5 + 3$$

$$8 = 8 \rightarrow \text{Sí.}$$