LINEAR EQUATIONS WITH FRACTIONS N°1

Watch the video and then solve the equations following these steps:

- Clear fractions or decimals
- Start with the brackets and then continue with the parentheses.
- Combine like terms in each side.
- Reduce numbers and variables.
- Write your calculations on the blank space and your answer on the box.

https://www.youtube.com/watch?v=G5R9jySFMpw

$a)\ \frac{1-x}{5} = x - 7$

First you need to multiply both sides of the equation by =

Now write the product and solve the equation in the box:

x =

$b)\ \frac{x}{5} + \frac{x}{2} = 28$

First you need to multiply both sides of the equation by =

Now write the product and solve the equation in the box:

x =

$c)\ \frac{2}{3}(2x - 5) = 15 - (x + 2)$

First you need to multiply both sides of the equation by =

Now write the product and solve the equation in the box:

x =

$d)\ \frac{12x - 17}{x} = \frac{7}{2}$

First you need to multiply both sides of the equation by =

Now write the product and solve the equation in the box:

x =

$e)\ \frac{3(2x+5)}{12} - \frac{5(x-3)}{8} = x + 2$

First you need to multiply both sides of the equation by =

Now write the product and solve the equation in the box:

x =

$f)\ \frac{x+1}{2} - \frac{x-2}{3} = \frac{5(x+6)}{24}$

First you need to multiply both sides of the equation by =

Now write the product and solve the equation in the box:

x =

$g)\ \frac{7x-5}{8}+\frac{2x+1}{3}=\frac{2x-5}{12}$

First you need to multiply both sides of the equation by =

Now write the product and solve the equation in the box:

x =

$h)\ \left[\frac{2}{5}-\frac{3}{4}(x-6)\right]+\left[\frac{3}{2}(2x+1)-\frac{2}{5}(x-1)\right]=x$

First you need to multiply both sides of the equation by =

Now write the product and solve the equation in the box:

x =