

## 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 =