

# The great derivative

Dodo

November 2022

Welcome to derivative calculator, here is the step by step results of the calculations.

*A programm was given an input expression:*

$$\left(\frac{(X)}{(5 \cdot X)}\right) \cdot (X \cdot 4) \quad (1)$$

We are now working with this part:

$$\left(\frac{(X)}{(5 \cdot X)}\right) \cdot (X \cdot 4) \quad (2)$$

Then let's simplify it

$$\left(\frac{X}{0}\right) \cdot (0) \quad (3)$$

We are now working with this part:

$$\frac{X}{0} \quad (4)$$

Then let's simplify it

$$\frac{X}{0} \quad (5)$$

We finally calculated the derivative of this part, let's jump up:

$$\frac{(1 \cdot 0 - X \cdot 0)}{(0 \cdot 0)} \quad (6)$$

We finally calculated the derivative of this part, let's jump up:

$$\left(\frac{(1 \cdot 0 - X \cdot 0)}{(0 \cdot 0)}\right) \cdot (0) + \left(\frac{X}{0}\right) \cdot (0) \quad (7)$$

The solution is pretty simple and you definitely can do it **yourself**