

THE TOOL

A group of healthcare professionals, including nurses and doctors, are shown in a clinical setting. They are wearing green scrubs and surgical masks. One person in the center is gesturing with their hand while speaking to the others. The background is slightly blurred, showing a hospital corridor. The overall image has a blue tint.

MULTIPLE PROJECTS



DATA

DATA

PyCon Namibia 2016
25 - 29 JANUARY 2016 | UNIVERSITY OF NAMIBIA | WINDHOEK

DATA

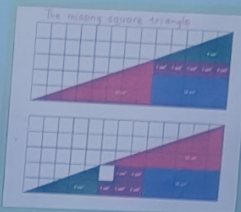
Mathematical Paradoxes

Zero Paradox 1: Aha! or how
to see the paradox in action

Definition
A common puzzle that poses an interesting math

$1 = 1$
 $-(-1) = 1$
 $-(-1)^2 = 1^2$
 $-1 = 1$
?

$25 - 45 = 16 - 36$
 $5^2 - 2 \cdot 5 \cdot \frac{9}{2} + 4^2 = 2 \cdot 4 \cdot \frac{9}{2} - 4^2$
 $5^2 - 2 \cdot 5 \cdot \frac{9}{2} + \frac{81}{4} - 4^2 = 2 \cdot 4 \cdot \frac{9}{2} + \frac{81}{4} - 4^2$
 $(5 - \frac{9}{2})^2 = (4 - \frac{9}{2})^2$
 $5 - \frac{9}{2} = 4 - \frac{9}{2}$



$a^2 + b^2 = (a+b)(a+b)$

Advantages of the
method of solving
the problem of
the missing square



THE TOOL

- > CLOUD BASED
 - > ROBUST
- > MANAGEABLE

[THEPHOENIXPROJECT.IO/](https://thephoenixproject.io/)