## THE LINE OF 20

The alternative to coloured rods which has revolutionised maths teaching in primary school.



# The Analogical Method

It was conceived by teacher Camillo Bortolato and it is used in thousands of primary schools because of its immediacy and effectiveness





He has been teaching in primary school for forty years



It is an extremely simple, intuitive and scientific-based method for learning maths.

It applies at-a-glance perception, which is the main condition of our way of living, to learning.



In Italy, more than **500,000 pupils** have successfully adopted the Analogical Method.

## WHAT HAPPENS IN MENTAL CALCULATION WHEN USING THE ANALOGICAL METHOD





Digits don't matter

Dots don't matter

**For instance,** just a glance at this egg carton will tell you how many eggs there are and how many are missing





It's the space in which we arrange the dots that matters.

## COLOURED RODS AND LINE OF 20: WHAT'S THE DIFFERENCE?

**If you open a box of coloured rods** and look for the number 8, it is difficult to find it if you don't know what colour it is if you don't line up the 1 as many times as necessary to count 8.

#### Why?

**Because you only have the cardinal dimension!** You immediately miss the ordinal number size, which is the position of a number in relation to other numbers.



#### With The Line of 20

Pupils recognize the tool as a representation of their hands. **The analogy is immediate!** 

