



# Color Coding



## Tool Description

Color-coding is a low-tech compensating instrument to help children with dyscalculia to understand numbers, and place value, perform easier mathematical operations, such as addition, subtraction, multiplication and division.

## What is the challenge the tool can solve?

Dyscalculic children:

- Have difficulty understanding place value.
- Have trouble writing numerals clearly or putting them in the correct column.
- Have trouble with fractions and with measuring things, like ingredients in a simple recipe.

## What are the benefits for Dys persons?

It helps children identify the operations to be done and can help highlight important information in solving math problems. Color-coding is multisensory and supports all types and levels of learners regardless of learning disorders. Color coding is an efficient mnemonic method that makes the material meaningful and easy to retain, it helps organizing because information can be put into categories.

## Example of use in daily life

Example of using colors in learning and understanding fraction Color coding is useful in understanding easier and better fraction, because it enhances the visual representation, making fraction easier to remember.

[https://www.youtube.com/watch?v=\\_YTNJalyiGY](https://www.youtube.com/watch?v=_YTNJalyiGY)

View this video as well:

<https://www.youtube.com/watch?v=IQ2xvQMFuFo>

**how many parts we have**  
**how many parts the whole**  
**is divided into**

Photo retrieved from

<http://www.mrandmrsmath.com/mastering-fractions-article-one-in-a-series>

## EXAMPLE USING ONE FOURTH

Word Form:

One Fourth

or

One over Four

Traditional Standard Form:

$$\frac{1}{4}$$

using a Fraction Bar:



on a Number Line:



in Part of a Group:



using a Fraction Circle:

