

SPECIFIC NEEDS IN MATHEMATICS, PART 5

IRENA BUDÍNOVÁ

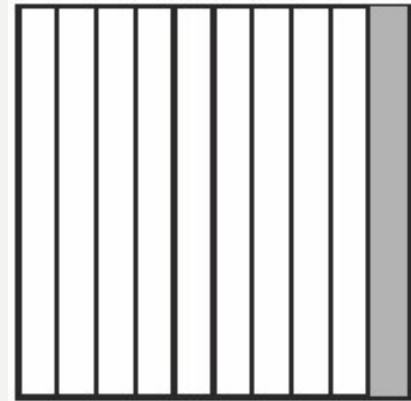
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DECIMAL NUMBERS

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DECIMAL NUMBERS

- First of all, it is important to create an image of the decimal number

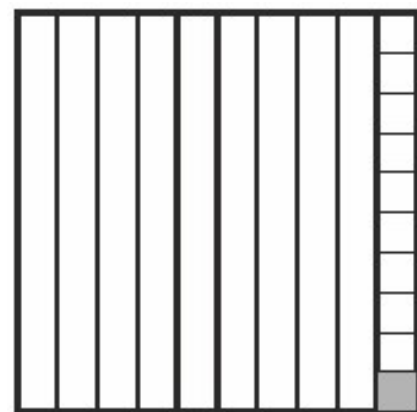


$$\frac{1}{10} = 0,1$$

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DECIMAL NUMBERS

WE CAN SHOW AN
IMAGE OF A DECIMAL
NUMBER AND TWO
WAYS OF THE
NOTATION OF THE
NUMBER

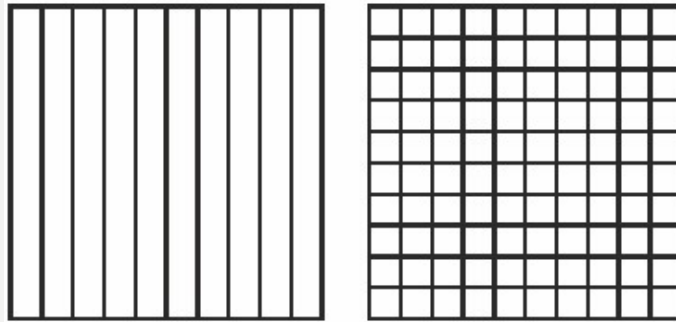


$$\frac{1}{100} = 0,01$$

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DECIMAL NUMBERS

- The whole

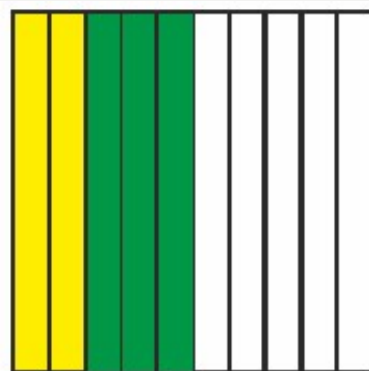


$$\frac{10}{10} = \frac{100}{100} = 1$$

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DECIMAL NUMBERS

- Adding the decimal numbers

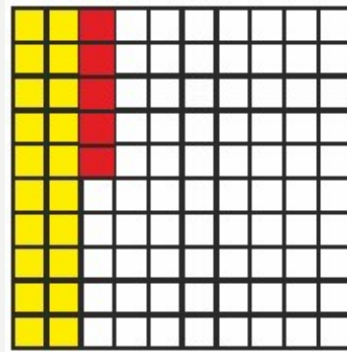


$$0,2 + 0,3 = 0,5$$

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DECIMAL NUMBERS

- Adding the decimal numbers



$$0,2 + 0,05 = 0,25$$

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TABLE FOR DECIMAL NUMBERS

1000000	100000	10000	1000	100	10	1	0.1	0.01	0.001	0.0001	0.00001	0.000001
●	●	●	●	●	●	○	●	●	●	●	●	●
							■	■	■			
							■	■	■			

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TABLE OF DECIMAL NUMBERS

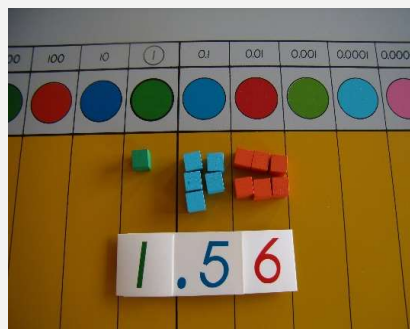
- Is helpful for understanding the notation of decimal number in decimal system



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TABLE OF DECIMAL NUMBERS

- Notation of the decimal number



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- **Mistakes in addition and subtraction of decimal numbers**
- Children add or subtract digits of different orders
- They do not respect the transfer between the orders
- They always subtract the lesser number from the greater one
- They do not respect the rules of the positional decimal system
- When performing written subtraction, they do not write the digits in the corresponding columns

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ADDITION OF DECIMAL NUMBERS

- We create the example (1,56+0,75)



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ADDING DECIMAL NUMBERS

- We start addition from the smallest order: ($5+6=11$)



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ADDING DECIMAL NUMBERS

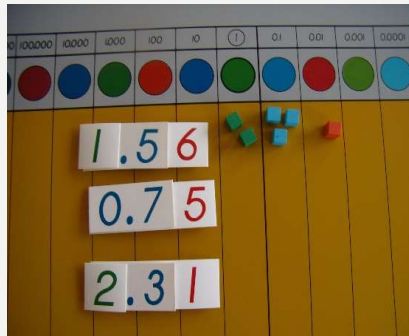
- We change 10 hundredths for 1 tenth, write partial result



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ADDING DECIMAL NUMBERS

- Final result: $1,56 + 0,75 = 2,31$



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VIDEOS – DECIMAL NUMBERS

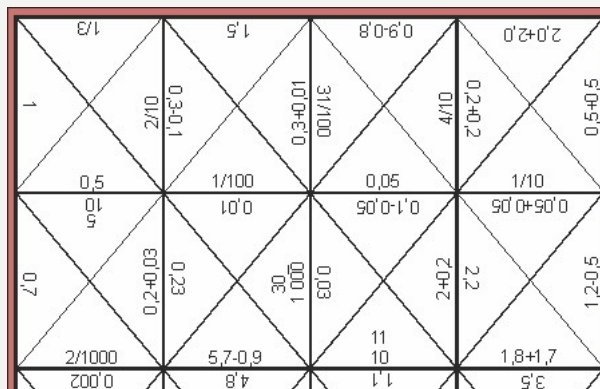
- Addition decimal numbers:
<https://www.youtube.com/watch?v=PNlttHzvuvI>
- Subtraction decimal numbers:
https://www.youtube.com/watch?v=ccai_w7cl4U

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PRACTICE

- Paper board games for practice and consolidation of operations with numbers:

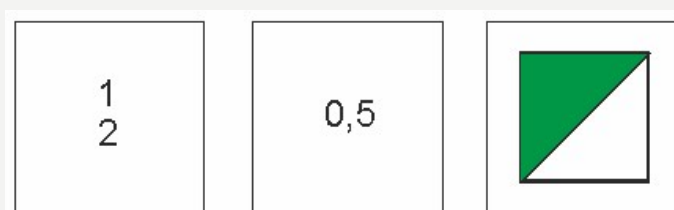
- Puzzle



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PRACTICE

- Trixeso



- Working with **number axis** (also **dynamic axis**)

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