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I CAN JUMP LIKE A FROG!

Learning to add to 60 through movement





Ms. Maria is teaching her pupils the sum of two numbers using numbers that end in 5 or 0. She asks: "If I have 10 pencils and 5 erasers on my desk, how do I write the total number of school supplies?"

1

"We get the sum of 15 by adding 10 and 5," explains Ms. Maria. "15 is a two-digit sum because it is made up of two numbers: 1 ten plus 5 ones."

Now that her class understands two-digit sums better, Ms. Maria introduces a jumping game for adding two numbers. The pupils see a hopscotch board that looks like a group of lily pads in a pond and two dice with numbers on them.

2

"We'll be playing as frogs, leaping from our pond to the lily pads. Each lily pad has a sum written on it – from 5 to 60. To find out which lily pad is yours, roll the dice and add the numbers you see to make a two-digit sum. Then, do your best frog impression and jump to the lily pad with that sum!" Ms. Maria explains, excitedly.

3

First to roll the dice is Peter. The first dice shows the number '10' and the second the number '20'. Peter wonders what the sum of $10 + 20$ could be.

"The sum is 30!", Peter shouts. "That's right", says Ms. Maria, "now, can you find the lily pad with 30 written on it?"

Peter spots his lily pad and does his best frog impression before leaping across all the other lily pads to land on the one with the number 30 on it. The class cheers loudly, getting ready for their turn.

4

The pupils continue rolling the dice and jumping to their lily pads. Anne leaps to '35' because she rolled 15 and 20, David leaps to '10' because he rolled 5 and 5, and Sofia leaps to '60' because she rolled 30 and 30. Last up is Thomas and he rolls 20 and 30.





5

Thomas takes the last leap and lands on his sum – 50. With all children standing on their lily pads, Ms. Maria says, "You're great at finding two-digits sums! Can you also find which pupil is standing on the highest sum?"

The children discuss and then answer, "Sofia is on the highest sum because 60 is bigger than 10, 30, 35 and 50".

6

Ms. Maria is proud of her pupils, "You may be playing as frogs, but you're much better at addition than them!"

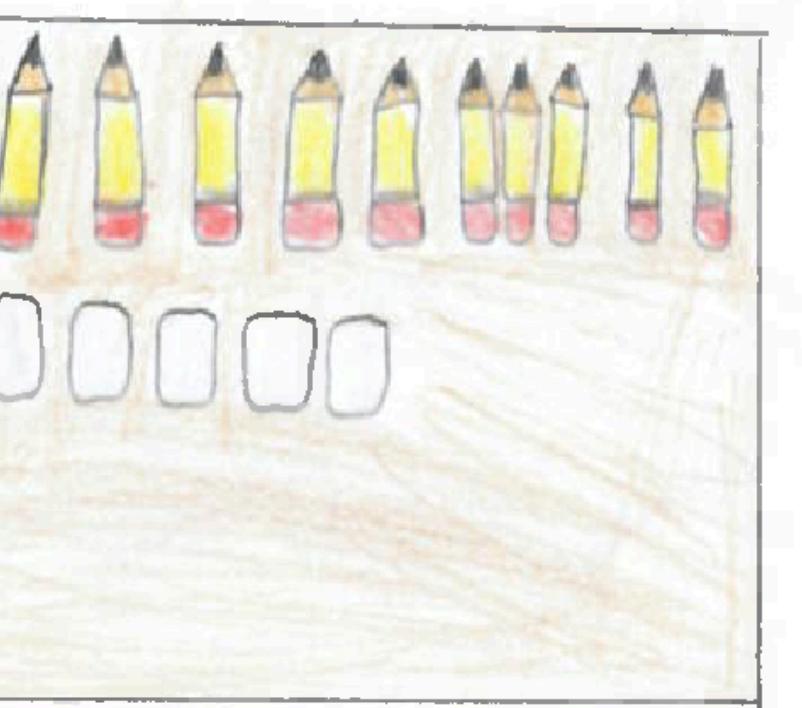
The pupils croak in unison, jumping off their lily pads to practice two-digit sums all over again.

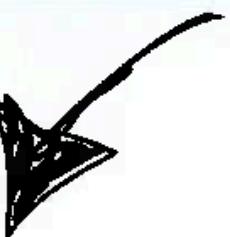
Now let's see how our Serbian pupils illustrated this story!



Učiteljica Marija uči svoje učenike sabiranju dva broja koristeći samo brojeve koji se završavaju na 5 ili 0. Pita: „Ako imam 10 olovaka i 5 gumica na stolu, kako da napišem ukupan broj školskog pribora?“

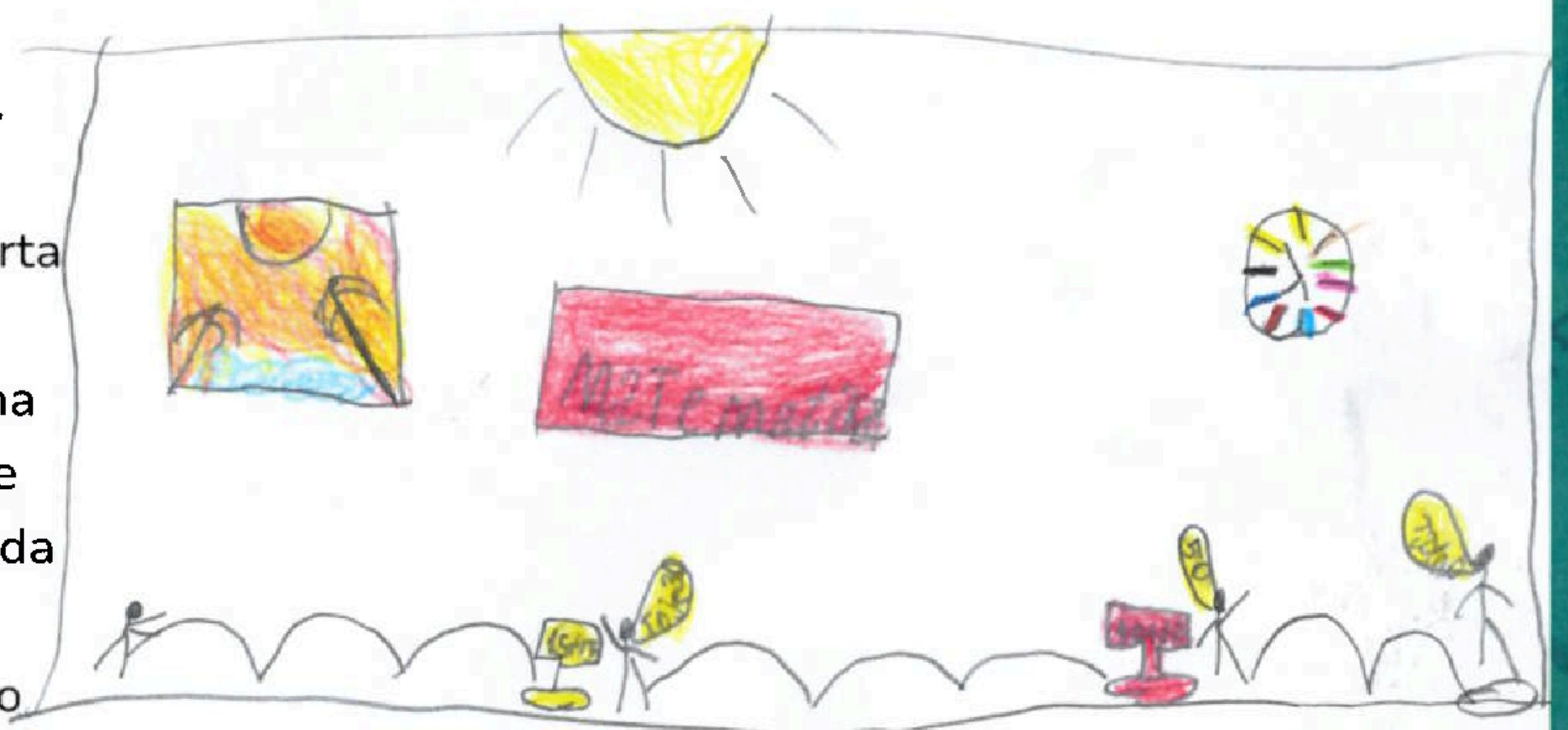
„Zbir 15 dobijamo sabiranjem 10 i 5“, objašnjava učiteljica. „15 je dvocifreni zbir, jer se sastoji od dva broja: 1 desetica plus 5 jedinica.“

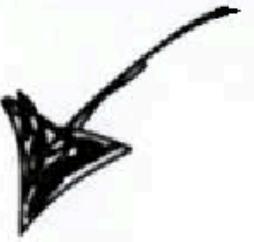




Sada kada njen razred bolje razume dvocifrene zbirove, učiteljica Marija uvodi igru skakanja za sabiranje dva broja. Učenici vide tablu za poskoke koja liči na grupu vodenih ljljana u jezercu i dve kockice sa brojevima na njima .

„Igraćemo se kao žabe, skačući iz našeg starta ka ljljanima. Na svakom jastučiću ljljana je napisan zbir – od 5 do 60. Da biste saznali na koji ljljan da skočite, bacite kockice i dodajte brojeve da biste napravili dvocifren zbir. Onda imitirajte pravu žabu i skočite na ljljan koji prikazuje taj zbir!“ Gospođa Marija uzbudeno objašnjava .





Prvi koji baca kockice je Petar. Prva kocka pokazuje broj '10', a druga broj '20'. Petar se pita koliki bi mogao biti zbir $10 + 20$.

"Zbir je 30!", više Petar. „Tako je“, kaže učiteljica Marija, „možeš li sada da pronađeš ljiljan na kome je napisano 30?“

Petar uočava koji je to ljiljan i, imitirajući žabu koja kreće, preskoči sve druge jastučiće ljiljana da bi stao na onaj sa brojem 30 na njemu. Drugari iz razreda glasno navijaju, spremajući se da i oni dođu na red da skaču.



Učenici nastavljaju da bacaju kockice i skaču do svojih vodenih ljiljana. Ana skače na '35' jer je to zbir njenih brojeva 15 i 20, David skače na '10' jer je on bacio 5 i 5, a Sofija skače na '60' jer je ona bacila brojeve 30 i 30. Poslednji je Toma i on baca 20 i 30.



Toma pravi poslednji skok i dolazi na svoj zbir – 50. Dok svi učenici stoje na svojim poljima, učiteljica Marija kaže: „Sjajni ste u pronalaženju dvocifrenih brojeva! Možete li da pronađete i koji učenik stoji na najvećem zbiru? ”

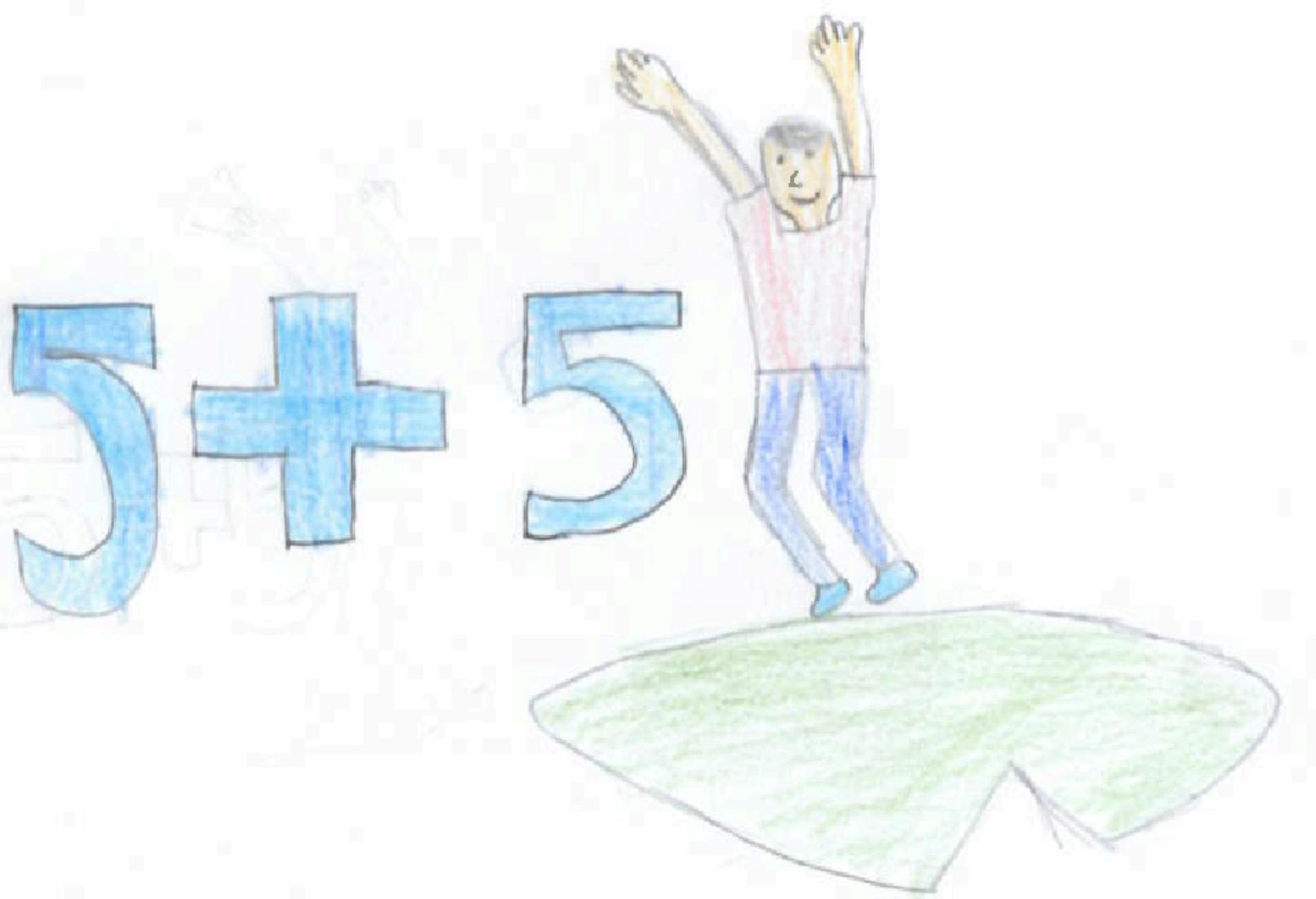
Deca raspravljaju među sobom, a zatim odgovaraju: "Sofija je na najvećem zbiru, jer je 60 veće od 10, 30, 35 i 50" .

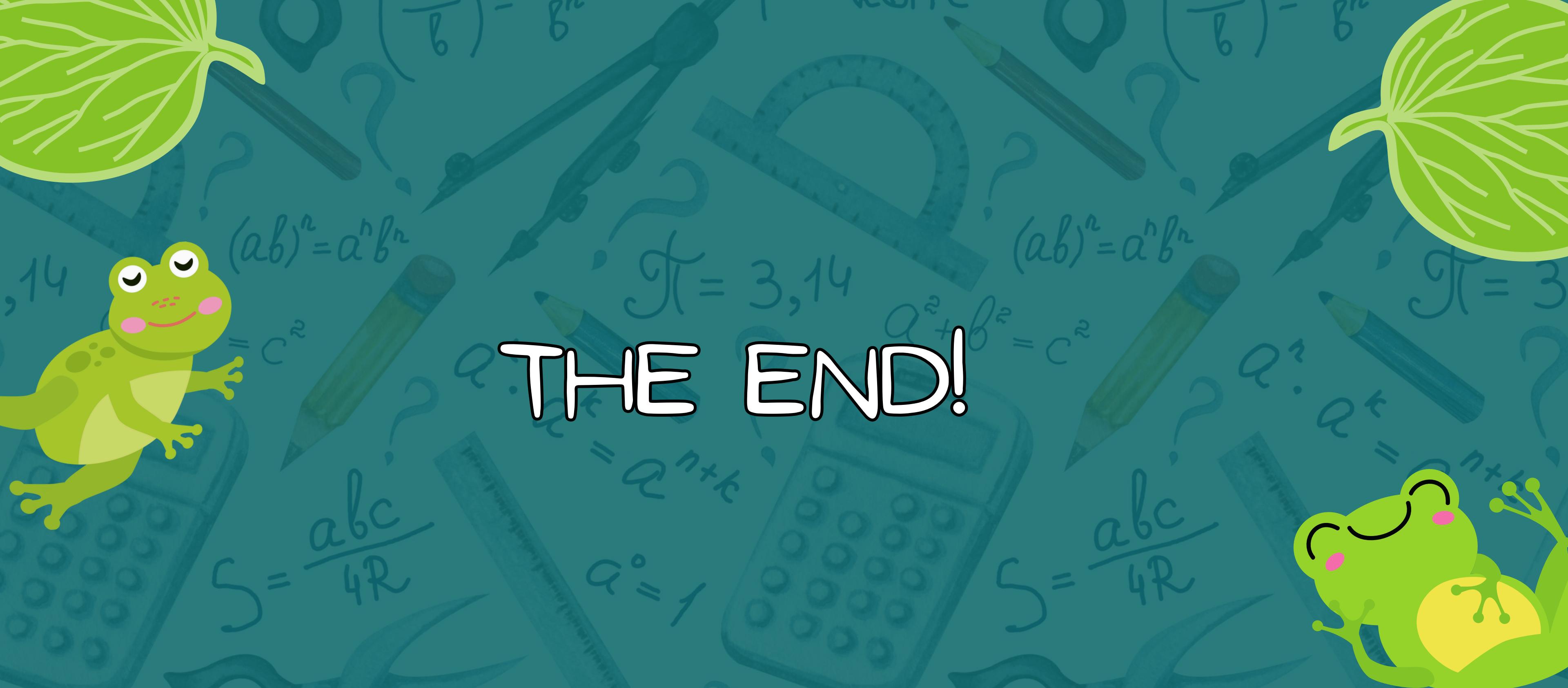


16
10 (6) - 8
10 (6) - 8
10
3

Učiteljica Marija je ponosna na svoje učenike: „Možda se igrate kao žabe, ali ste mnogo bolji u sabiranju od njih!“

Učenici uglas krekeću, skačući sa svojih vodenih ljiljana da iznova vežbaju dvocifrene sume.





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