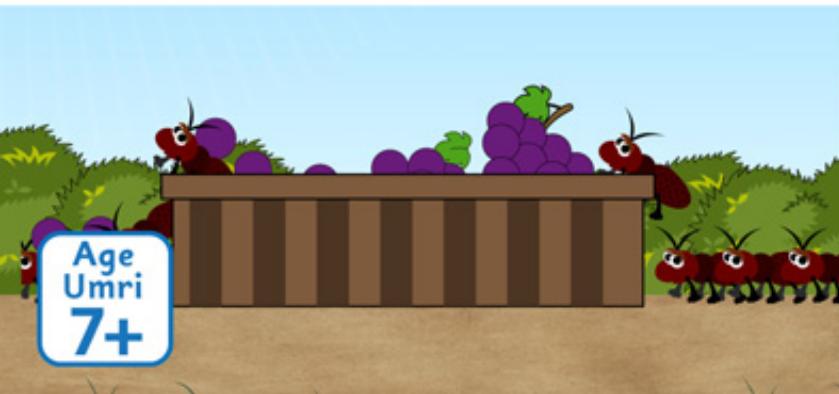




Grapes Go Missing

subtraction with borrowing



Age
Umri
7+

It's match day once again in Kokotoa! Although it is a friendly match, both teams play hard and want to win. Kokotoa scores a second goal and wins, two goals to one.



But the Matimbwa team is angry. They complain to the ref but the ref declares the game over and tells Matimbwa to be good sports. They leave, but their faces look angrier than ever.



Kibena, Kiduchu, Koba and Baraka walk home from the match. They are so happy to have won!



But they also want to fix things with the Matimbwa team before their next match. They decide to throw a party!





They start to plan the party.
Koba will cook pilau with Mama Ndege.
Kiduchu will invite the Matimbwa team.



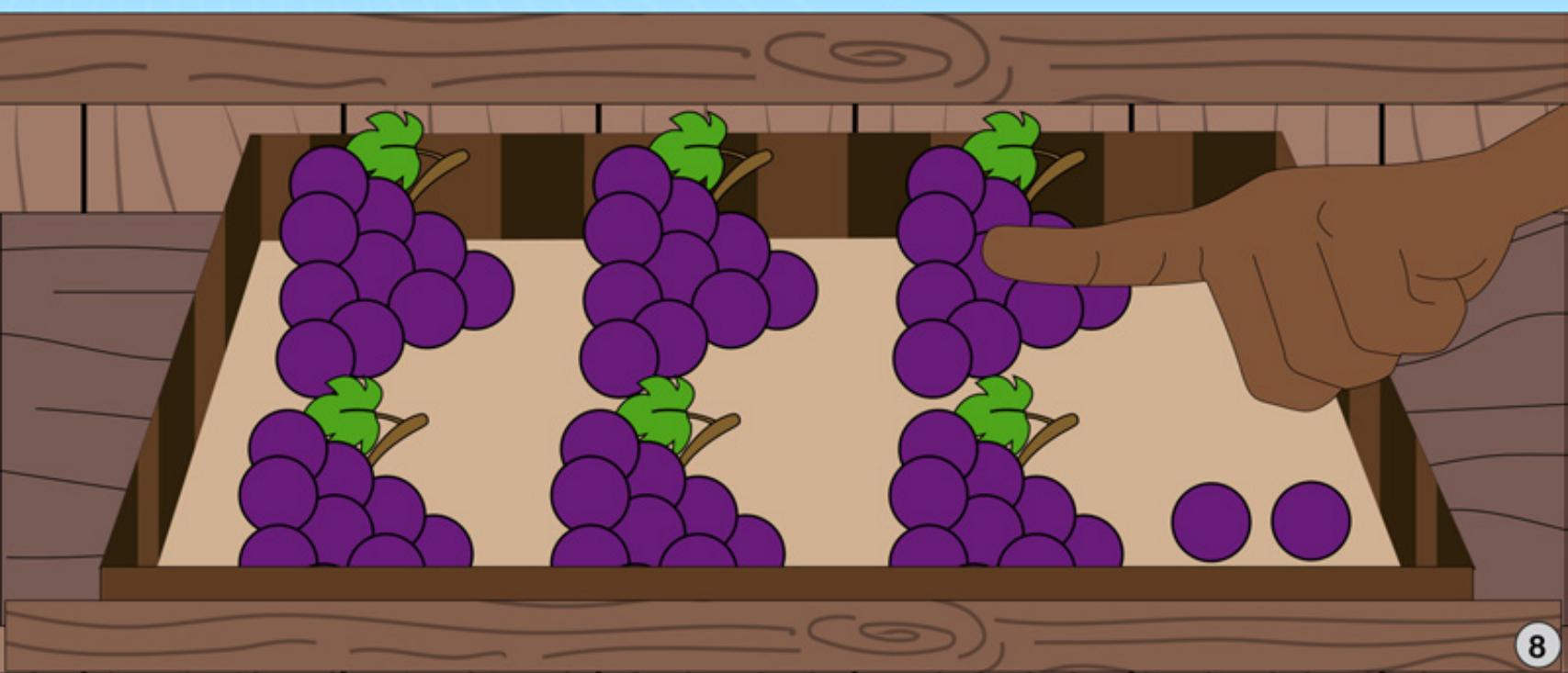
Kibena says she will get grapes from Ngedere.
Grapes will make a tasty addition to the party!



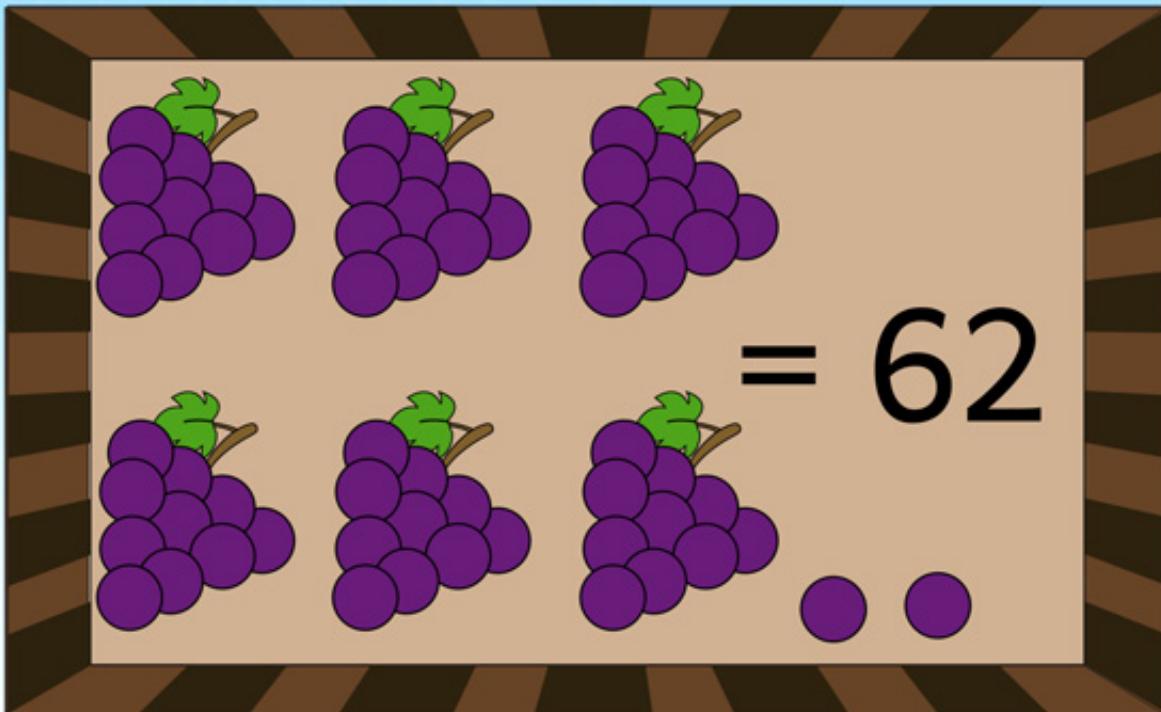
Kibena and Baraka find Ngedere. He loads a box of grapes in the back of his car, and they drive off. Ngedere asks them to make sure that there will be pilau for him at the party, in exchange for his grapes.



Baraka looks at the box of grapes and starts to count them one by one.
“That could take all day!” says Kibena.



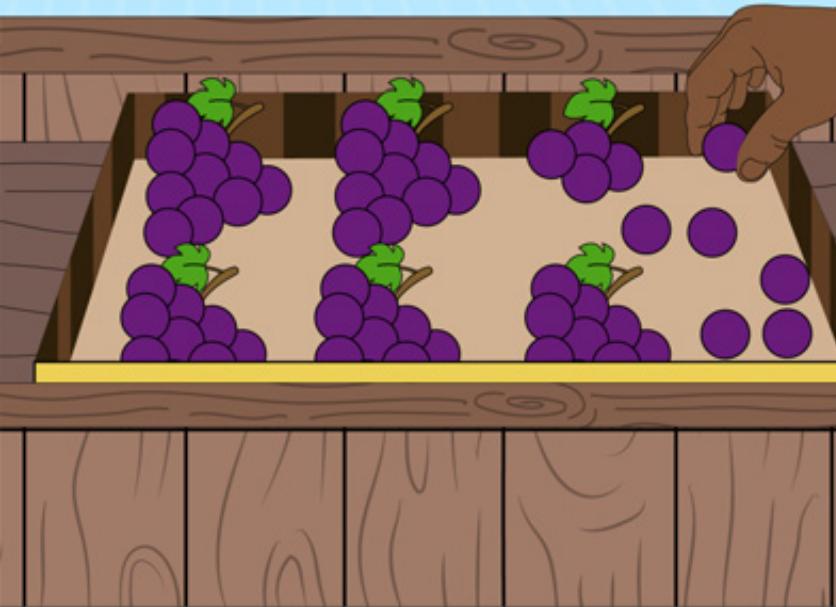
“Let’s count by bunches: there are six bunches of ten grapes, and two loose ones.
Six tens and two ones make sixty-two!”



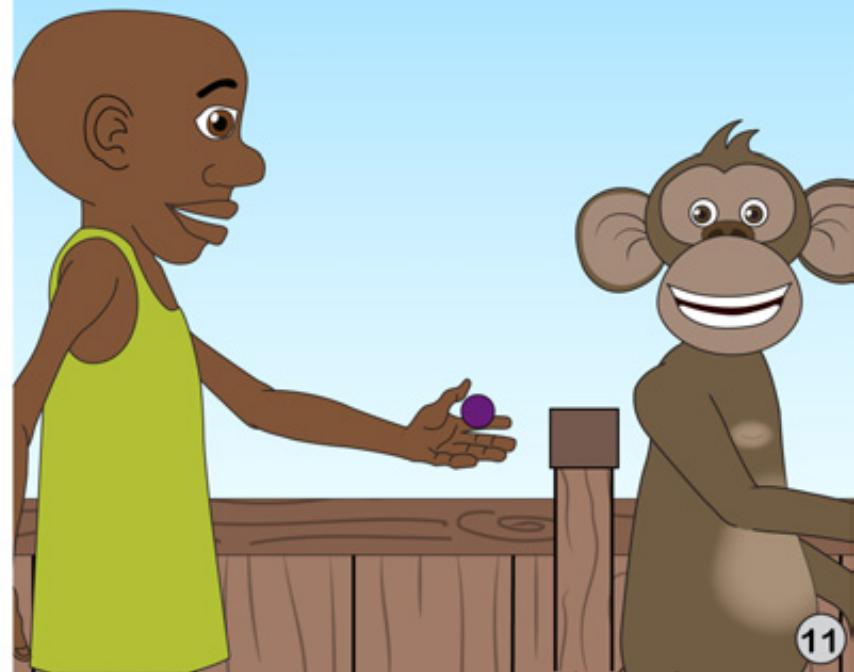
Kibena and Baraka decide that's more than enough for the party, so they eat the two loose ones.



“What about me?”
asks Ngedere.

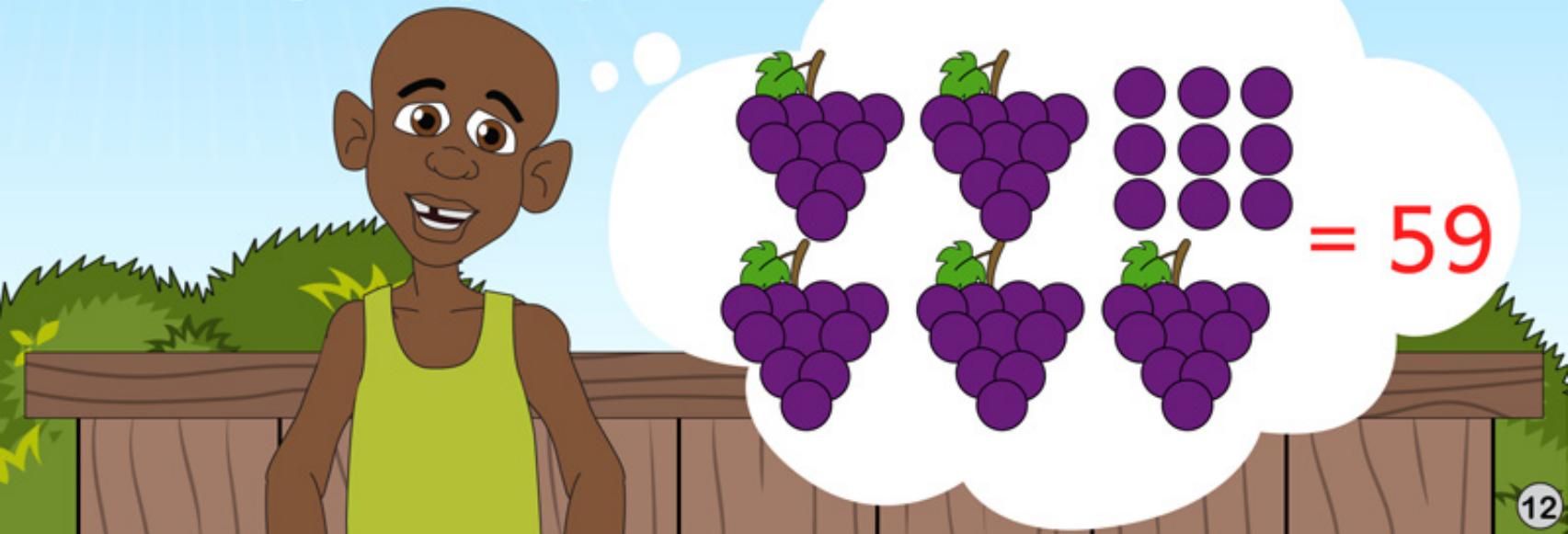


Baraka pulls one grape from a bunch for him, but the bunch falls apart.



Baraka adds up the remaining grapes.

After giving one grape to Ngedere, there are five bunches of ten grapes, and nine loose ones: **fifty-nine** grapes altogether. “That’s more than enough,” says Ngedere.



Kiduchu finds the Matimbwa football team.
They are already training for the next match!
Kiduchu invites them to the party in Kokotoa at
one o'clock that afternoon.



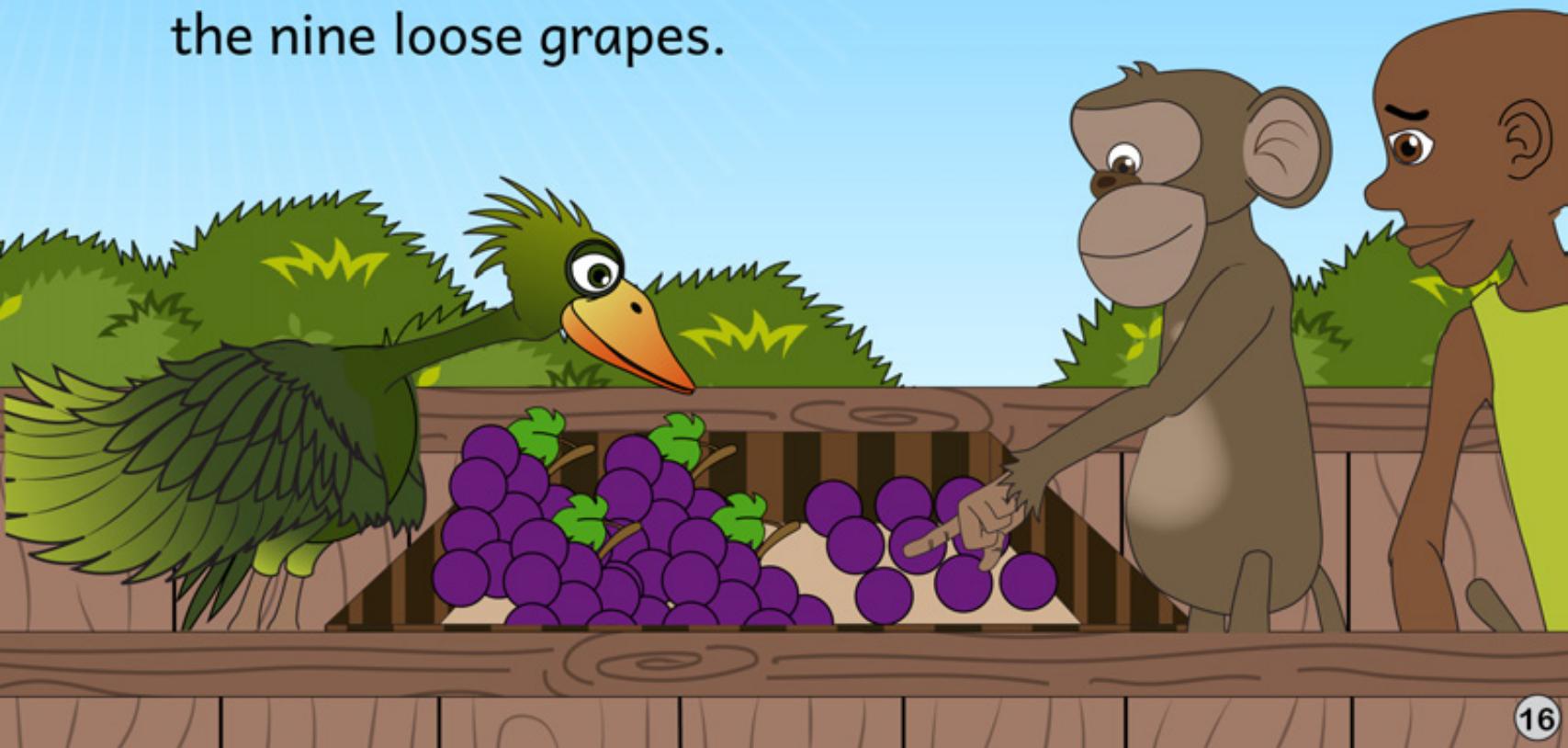
Meanwhile, Mama Ndege swoops down behind Ngedere's car. "I'm looking for something special for my chicks," she says. "They have their first exam today!"



Ngedere offers her some grapes to make her chicks some grape juice as a special treat



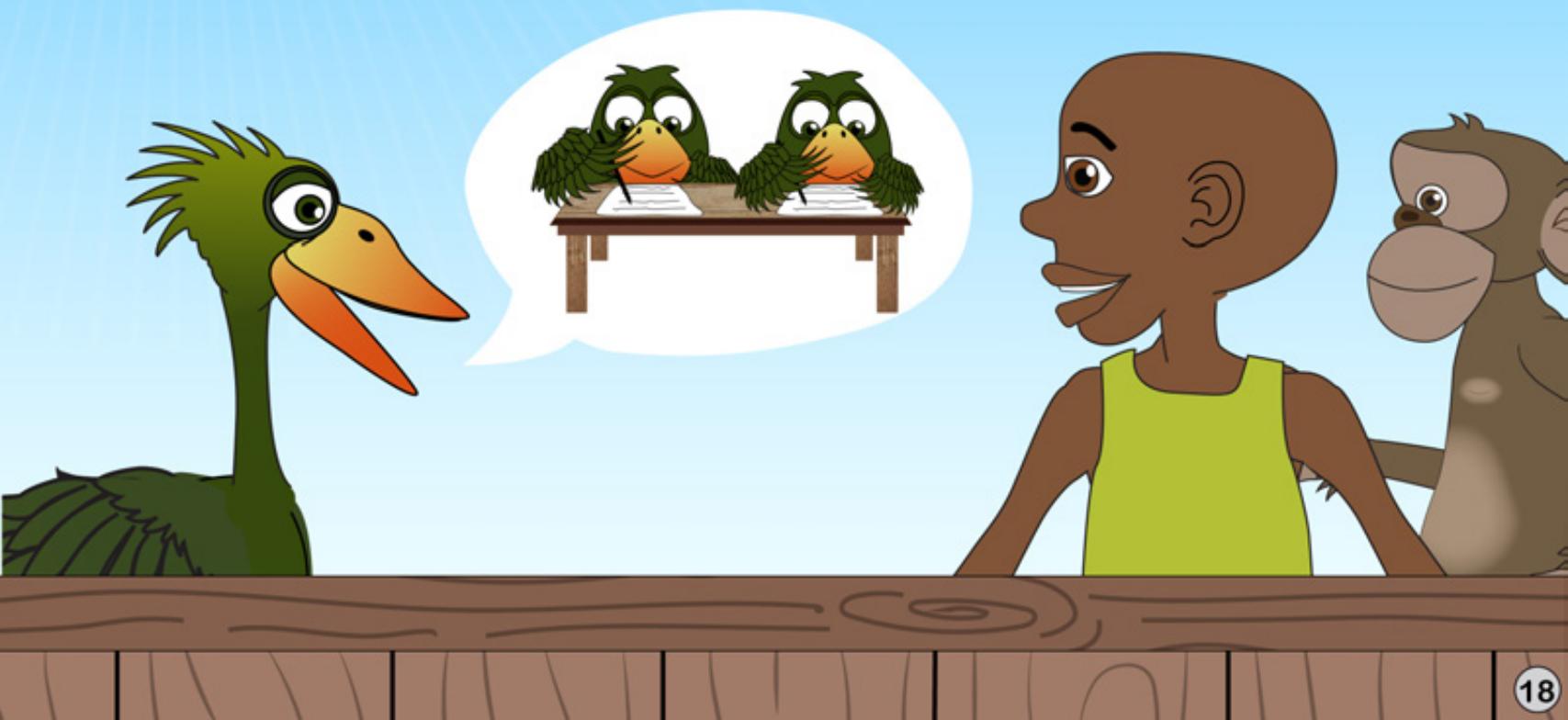
Baraka is worried that they will not have enough grapes, but Ngedere tells Mama Ndege to take the nine loose grapes.



Baraka tells Mama Ndege that Koba is looking for her to help him make pilau for the party.
“Party? What party?” asks Mama Ndege.



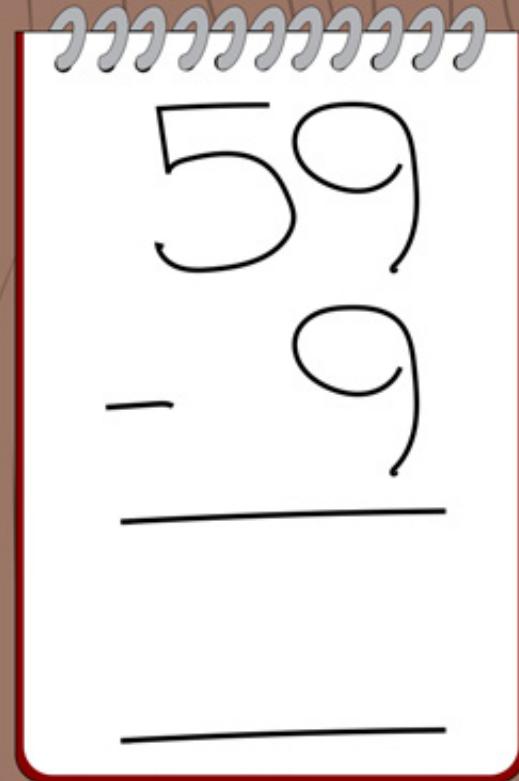
They all tell her to come along to the party with her chicks when they finish their exam.





Kibena pulls out her notebook to keep track of how many grapes they have left.

She writes “59” and then subtracts the nine grapes that Mama Ndege took.



Baraka helps her with the subtraction.
There are 50 grapes left.



$$\begin{array}{r} \text{|||||} \\ 59 \\ - 9 \\ \hline 50 \end{array}$$



As Kiduchu walks back through the forest,
she imagines the party if the Matimbwans don't come.
If they don't come, it will not be much of a party!

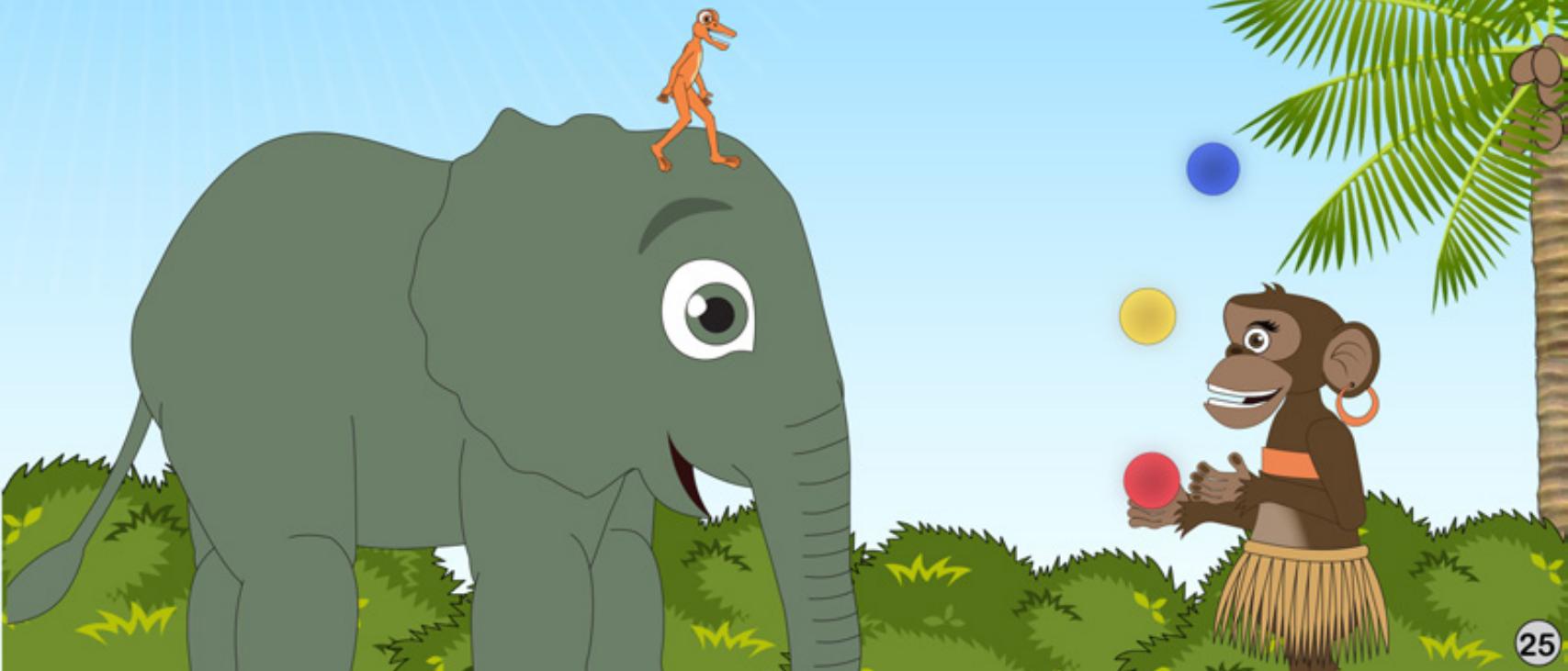


Kiduchu looks sad as she comes across her friends Tiny Tembo, Da Chura, and Kaka Kobe.

“We’ll come to the party even if the Matimbwans don’t,” they tell her.



Tiny Tembo and Da Chura find Sista Monkey.
She is juggling balls in the forest.

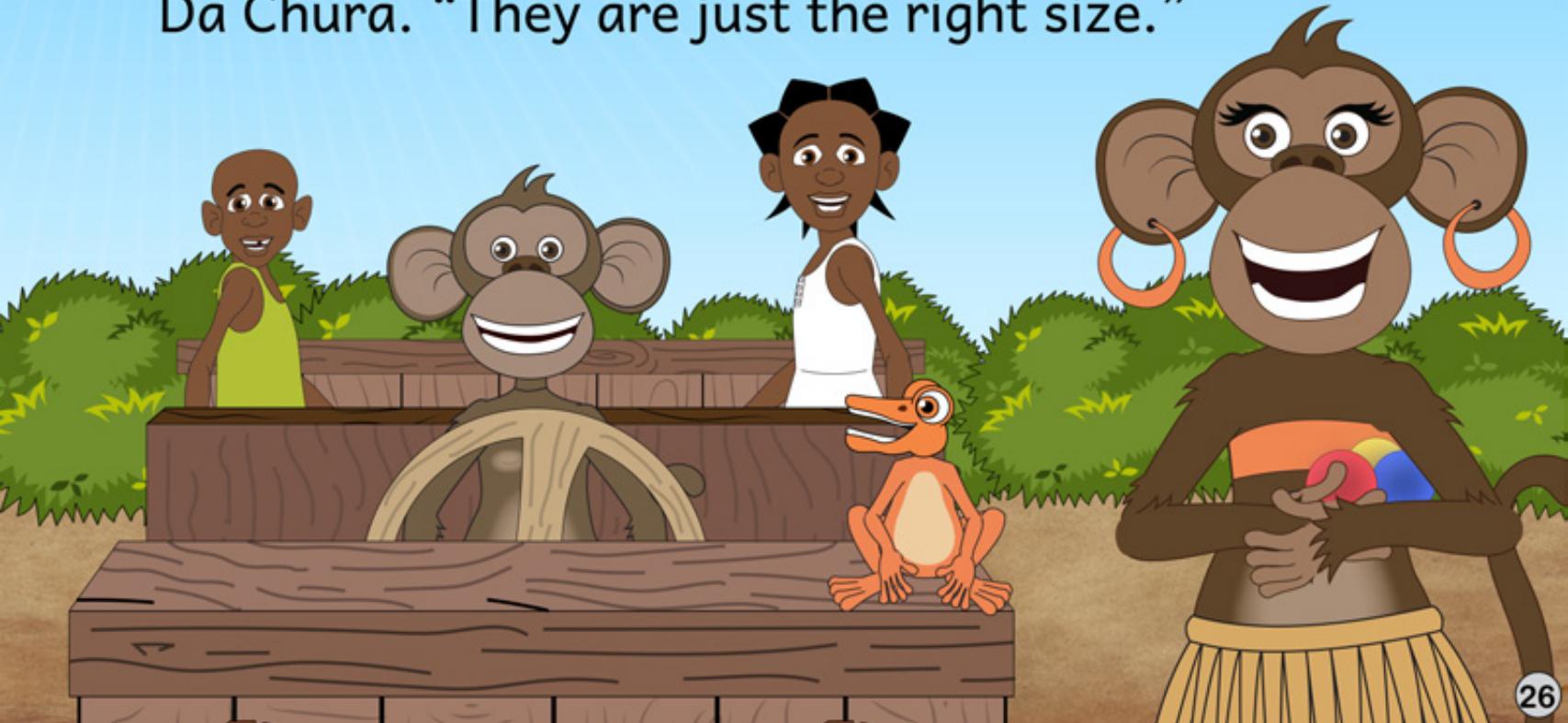


Da Chura wants to juggle too.
But the balls are too heavy for little Da Chura.



Just then, Ngedere's car pulls up.

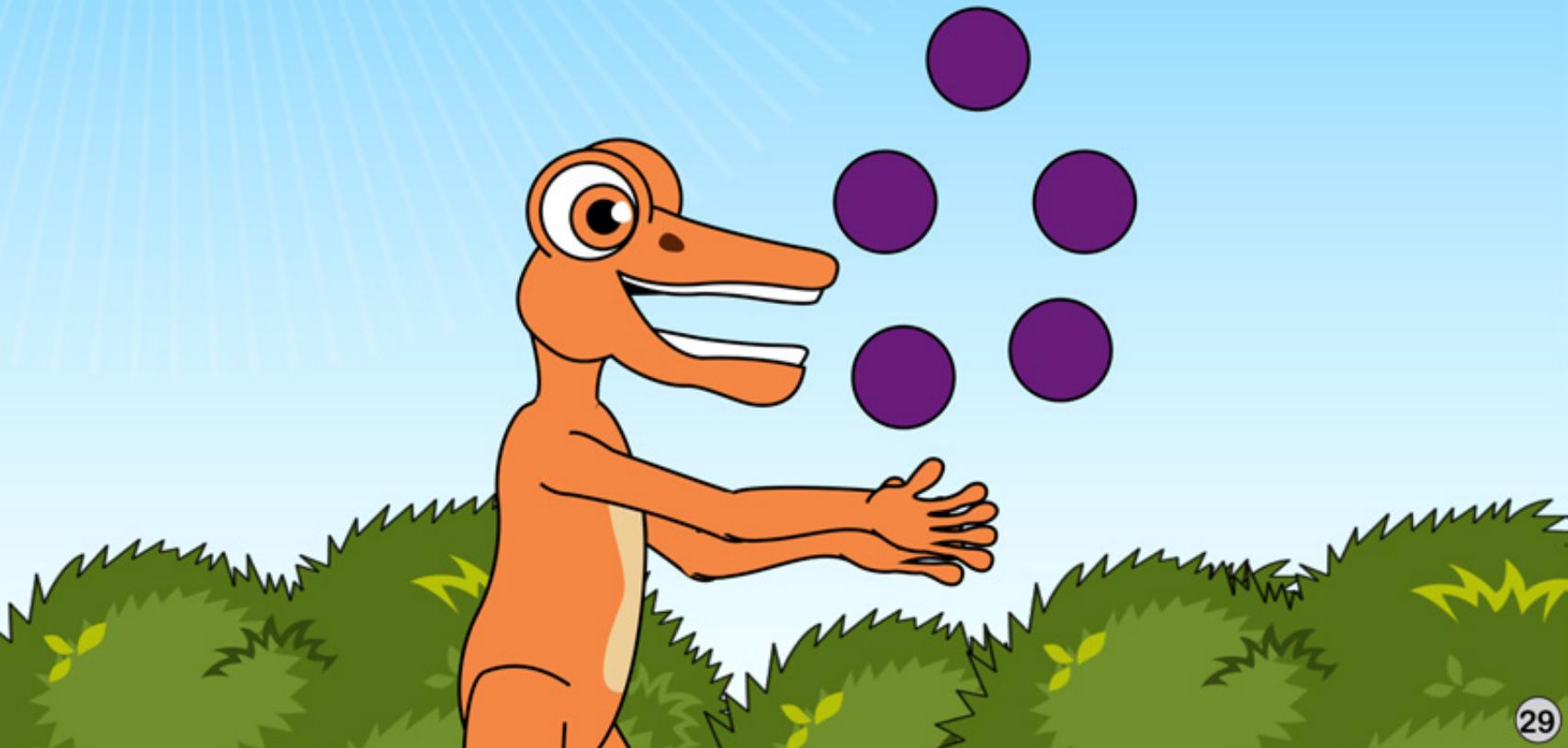
"You can use grapes to juggle," Ngedere tells Da Chura. "They are just the right size."



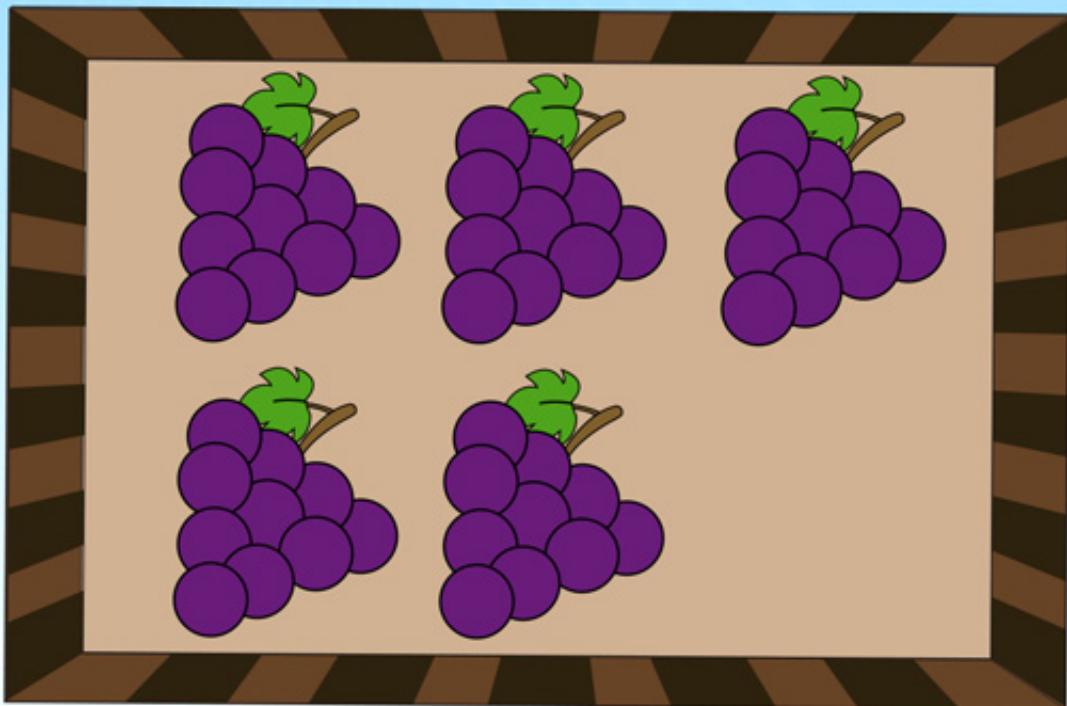
Kibena breaks apart another bunch of ten grapes, and reluctantly gives five to Da Chura. Kibena is worried there won't be enough for the party.



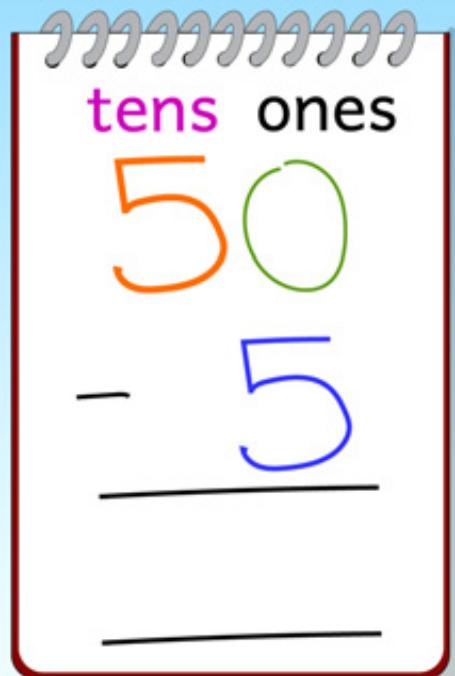
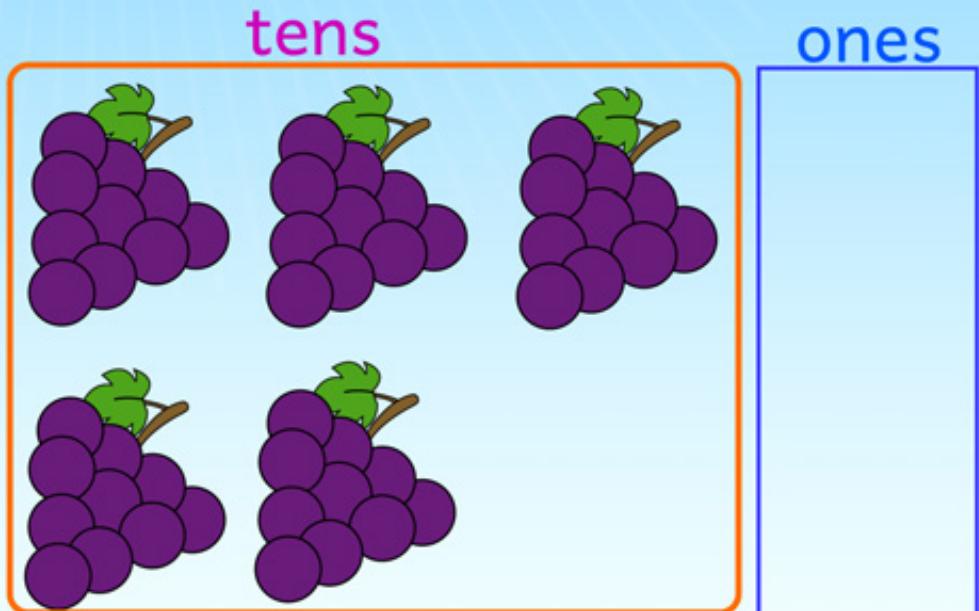
But Da Chura happily juggles the five grapes.



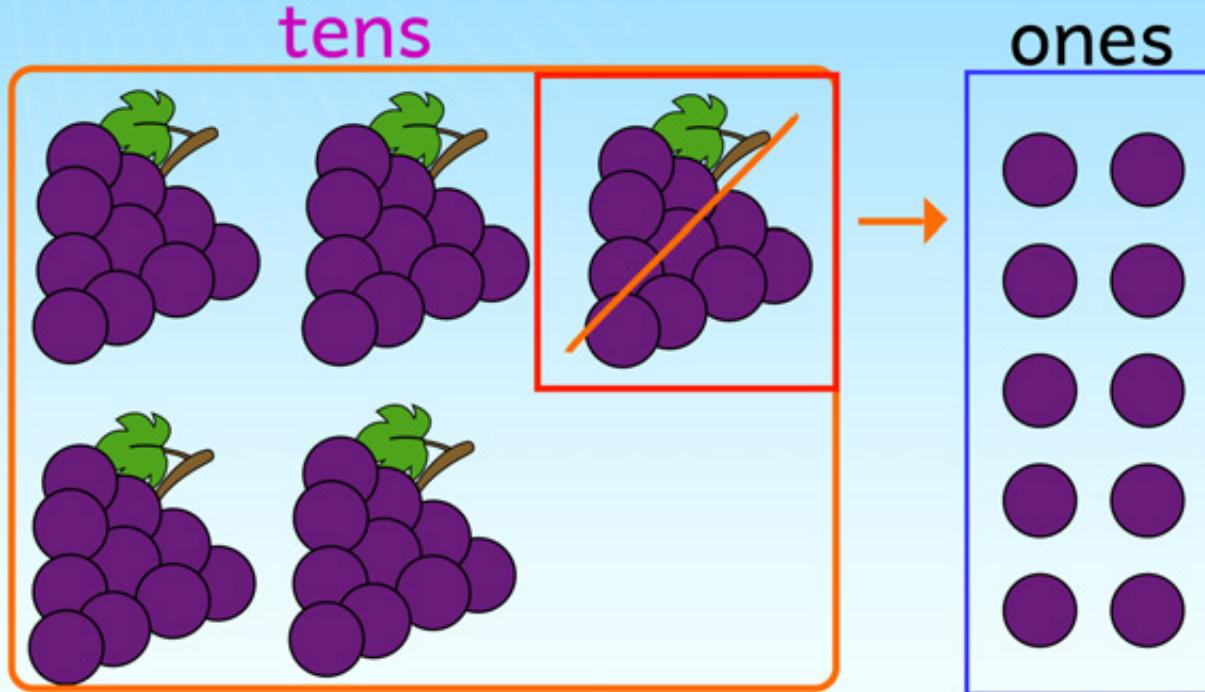
Kibena pulls out her notebook to keep track of the remaining grapes. She writes “- 5” underneath “50”.



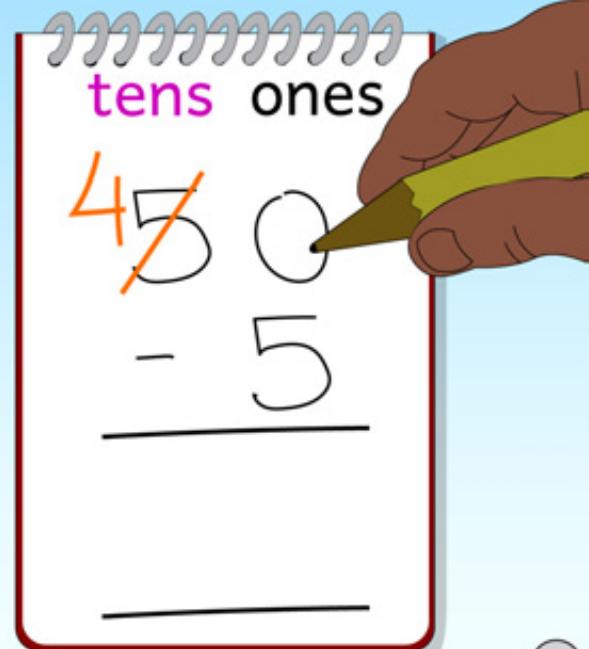
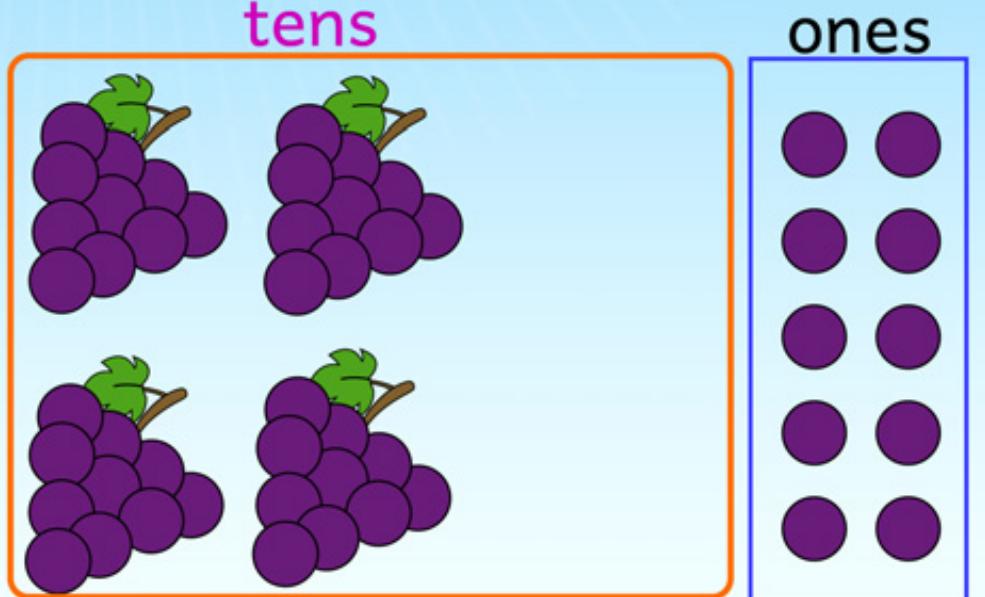
“But we can't do zero minus five!” says Baraka.



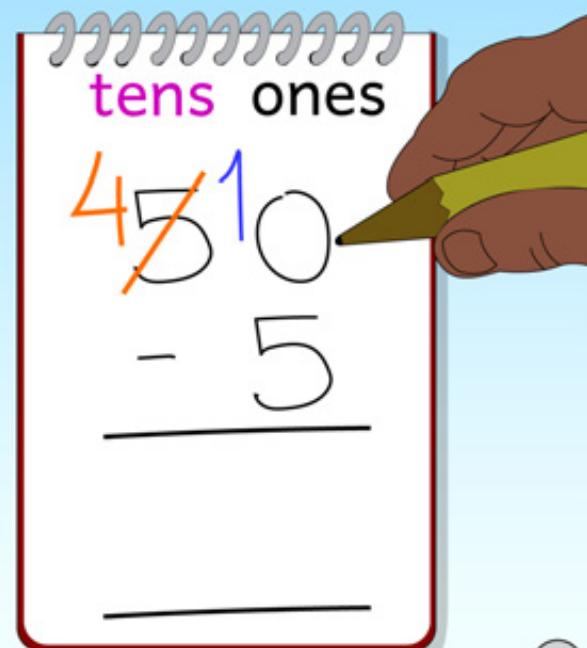
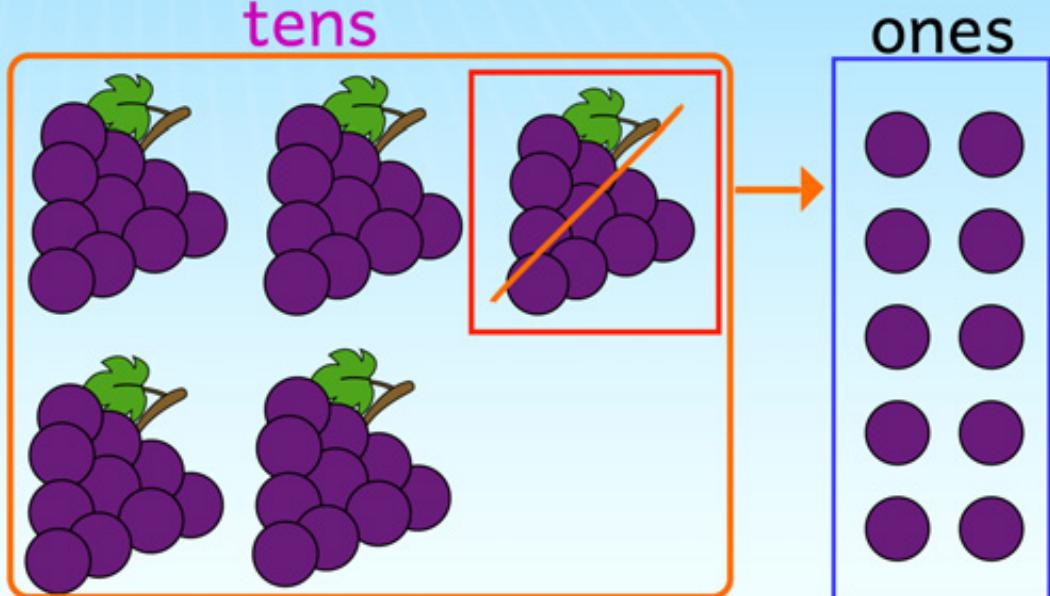
“I'll show you,” Kibena tells him. “Now there are no loose grapes, so we'll take one of the five bunches and split it into ones.”



“Now we only have four bunches of ten, and ten ones.”
She **crosses out** “5” in the tens column, and replaces it with “4” to show the four bunches that remain.



To show that one bunch had to be broken into ten ones, she adds “1” to the ones column.

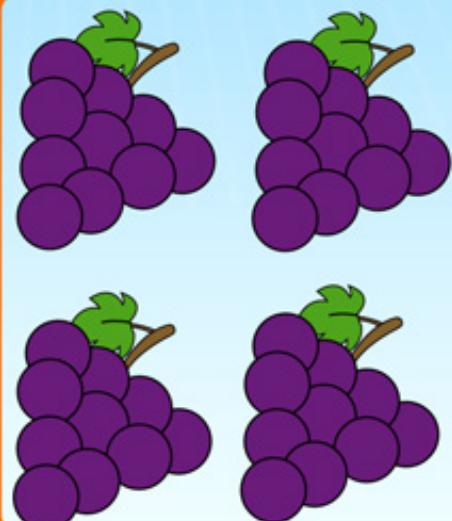


“Now we are ready to subtract!” exclaims Baraka.

“Ten minus five is five, and four minus zero is four.

The answer is forty-five!”

tens



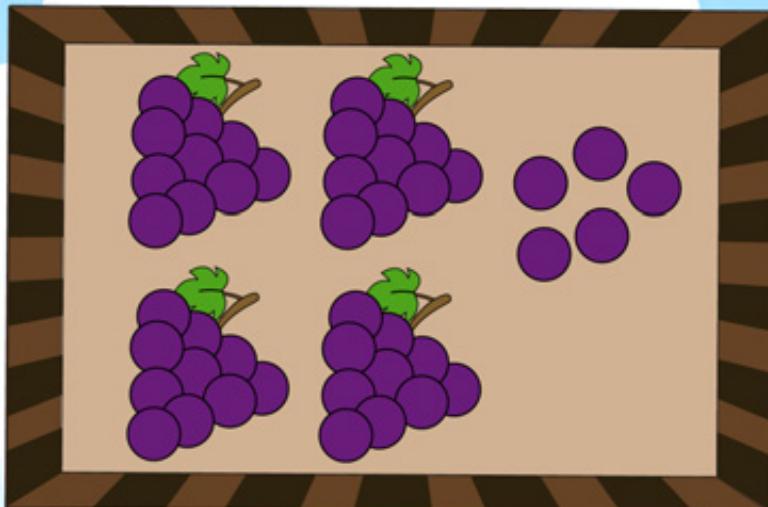
ones



tens ones

$$\begin{array}{r} 45 \\ - 05 \\ \hline 45 \end{array}$$

Ngedere thinks that is plenty.



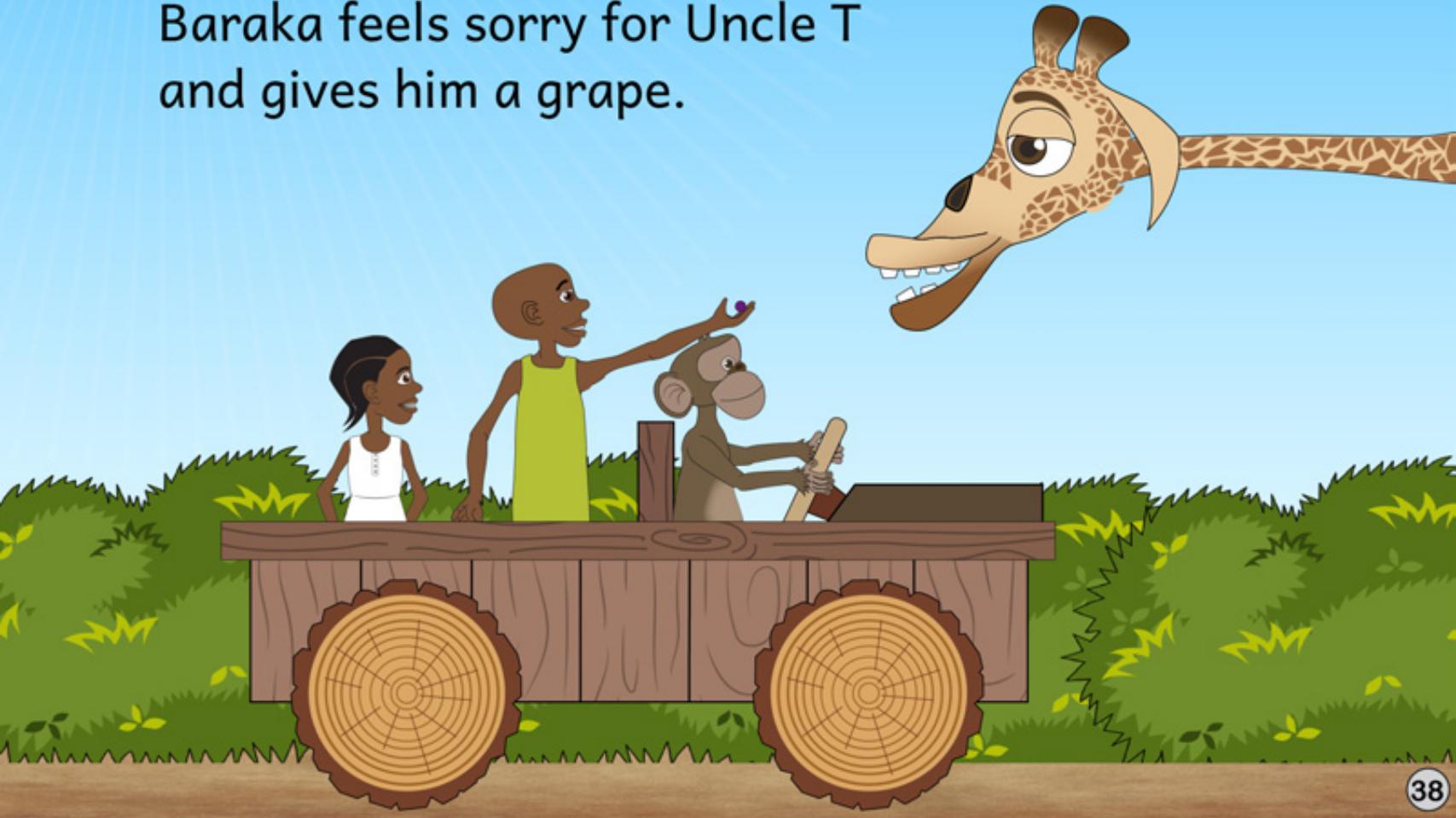
All of a sudden Uncle T pops out from the trees.
Ngedere stops the car so abruptly
that two grapes fly out into the bushes.



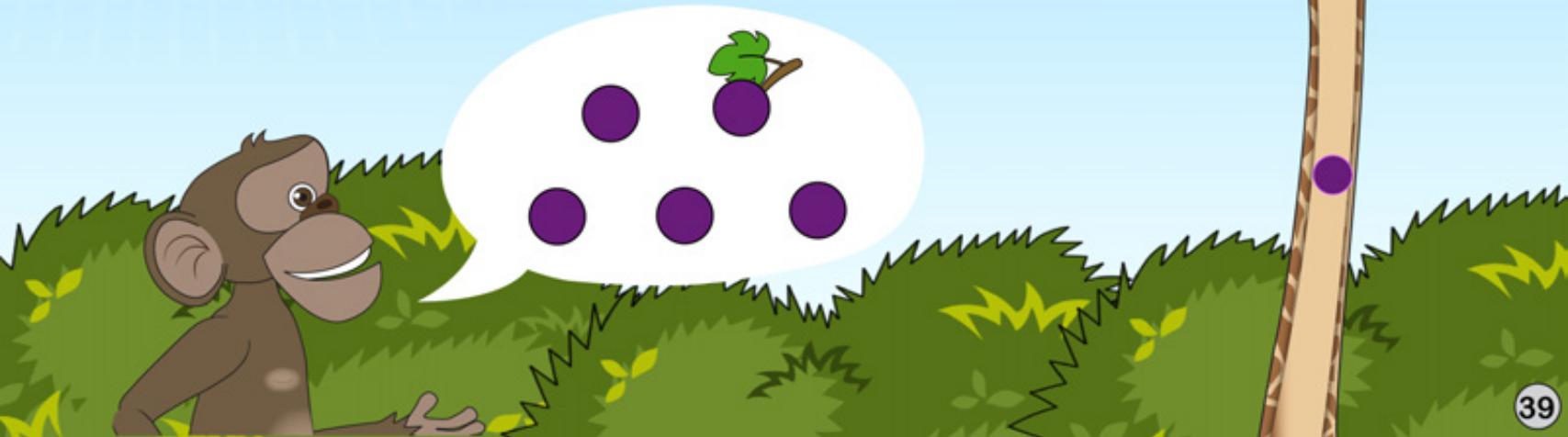
Uncle T sees the grapes in the car and says
“I’ve never tasted a grape before,
I’ve only dreamed of it!”



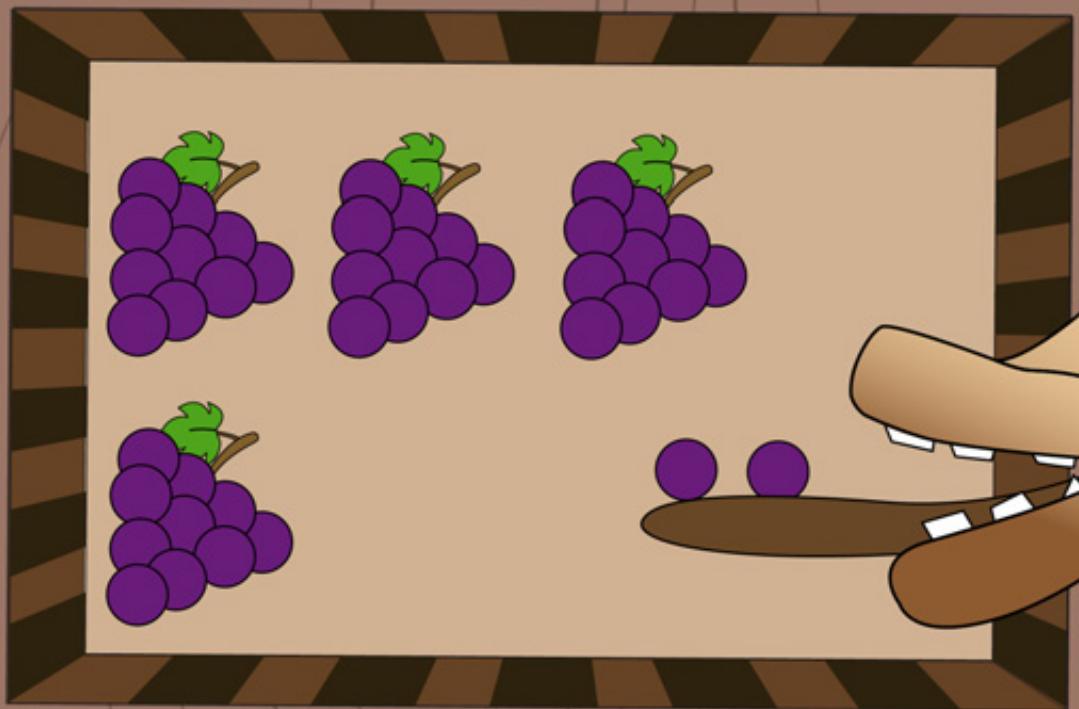
Baraka feels sorry for Uncle T
and gives him a grape.



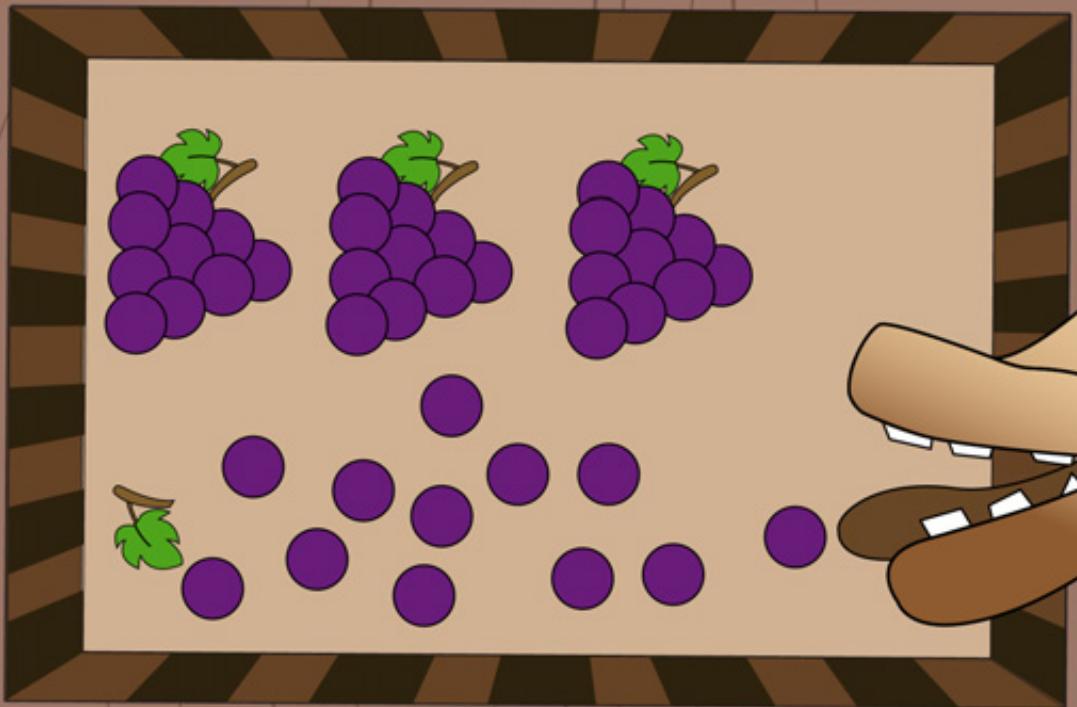
The grape goes right down
his very long throat.
“I didn’t taste anything,”
he says. Ngedere tells him
that he needs to eat at least
five grapes to taste them.



Uncle T uses his tongue to lick up
the remaining loose grapes.



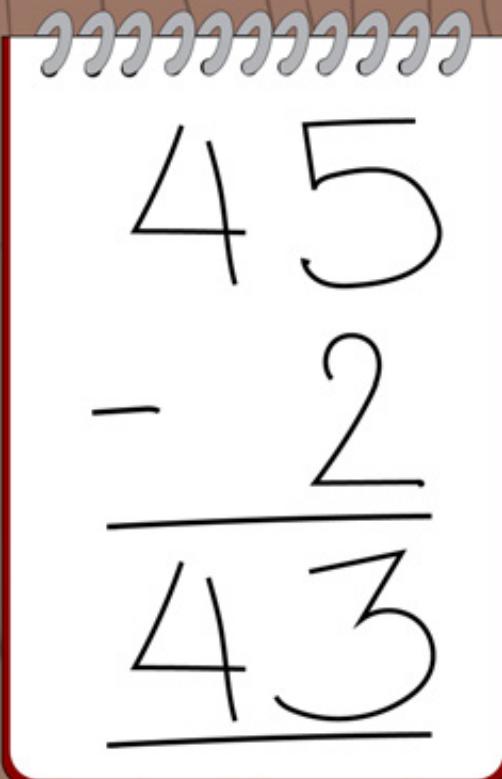
When he licks two more from a bunch, the bunch falls apart. He closes his eyes, chews, and says, "Yummy!"



Baraka asks Kibena how many grapes are left. Kibena remembers that two grapes flew out of the car when Uncle T surprised them.

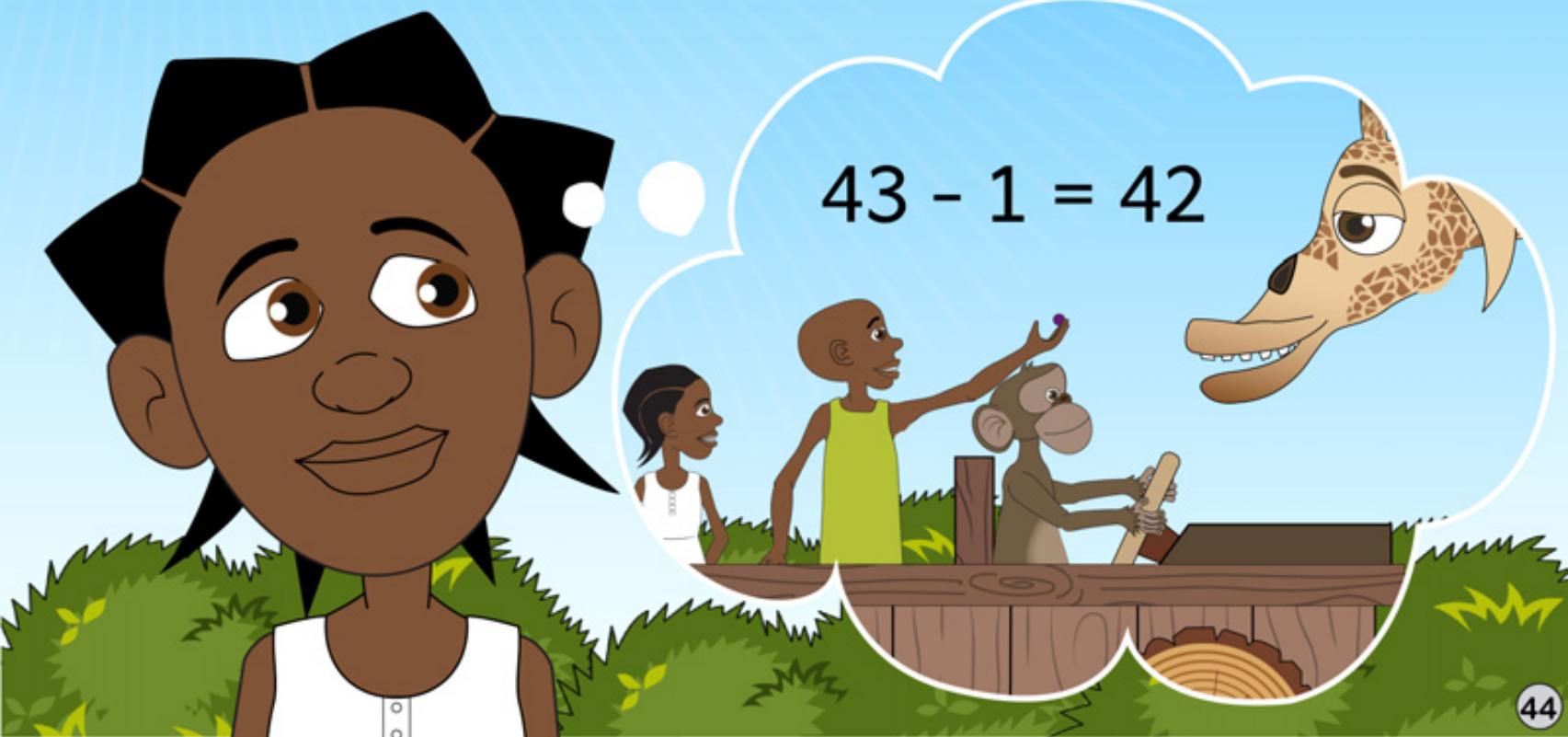


“Forty-five minus
two is forty-three,”
she calculates.

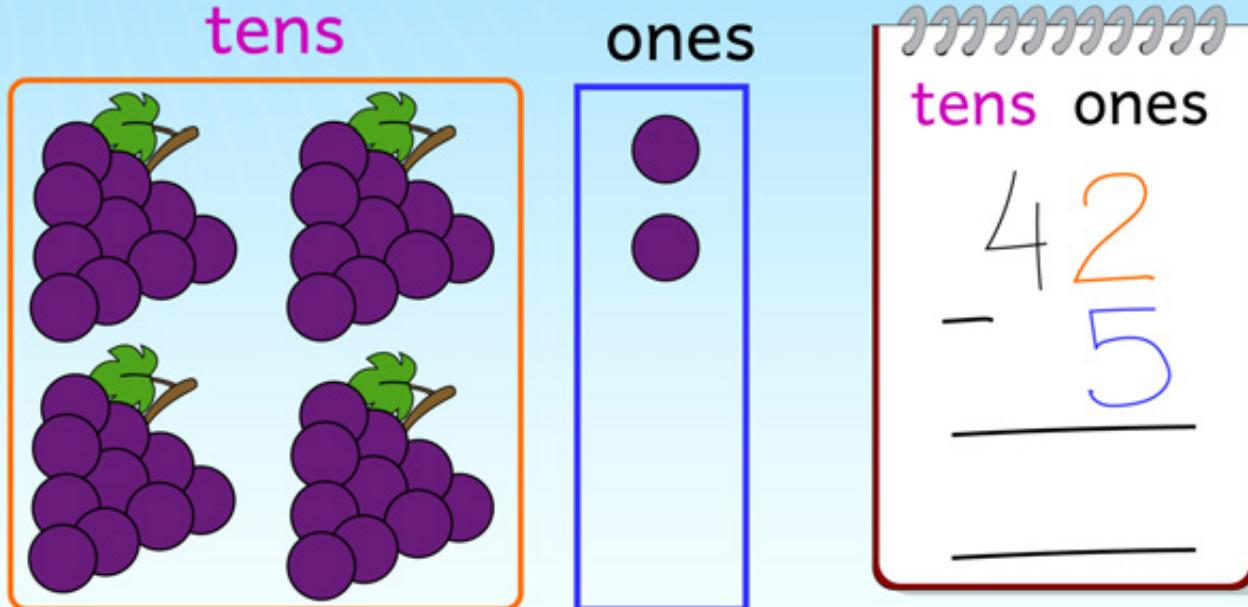

$$\begin{array}{r} 45 \\ - 2 \\ \hline 43 \end{array}$$

“We gave Uncle T one grape, so that’s forty-two.
After that, he took another five grapes,”

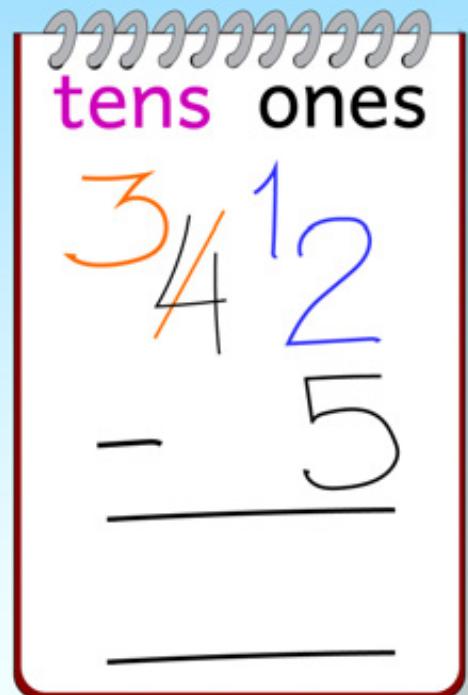
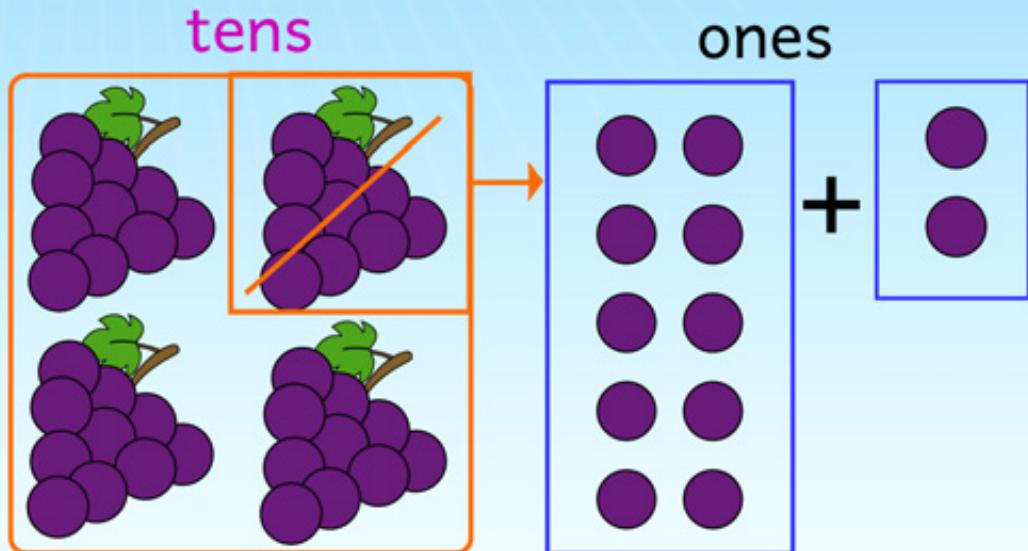
$$43 - 1 = 42$$



Kibena writes the numbers on her notepad.
“We can’t subtract **five** from **two**,
because **five** is greater than **two**,” Baraka says.
“We’ll have to borrow from the **tens**.



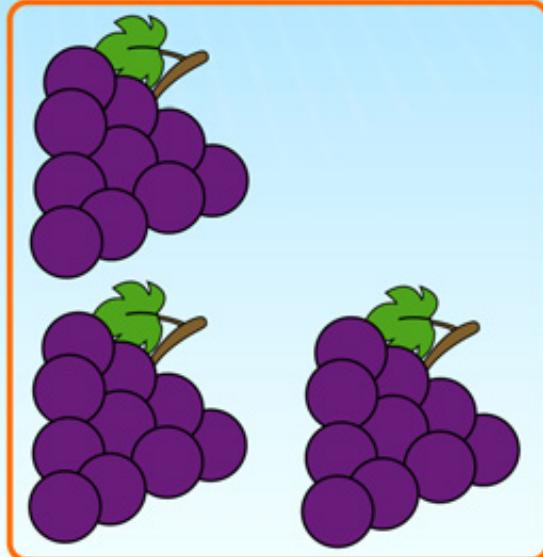
We borrow one of the **tens** and put it with the ones, that gives us **three tens** and **twelve ones**.



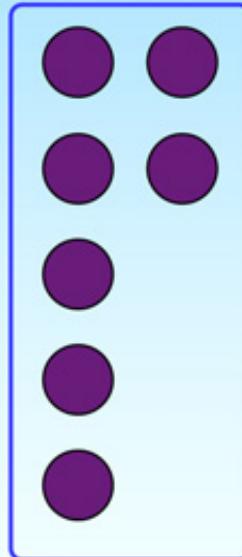
Twelve minus five is seven,
three minus zero is three.

So there are **thirty-seven** grapes left," says Baraka.

tens



ones



tens ones

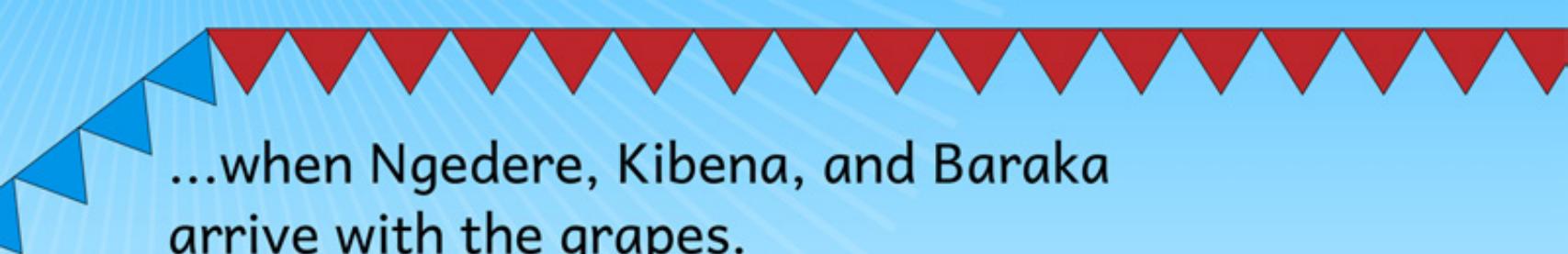


$$\begin{array}{r} 342 \\ - 05 \\ \hline 37 \end{array}$$



Everyone is getting ready for the party under the big tree. The pilau is on the party table and the decorations are up...





...when Ngedere, Kibena, and Baraka
arrive with the grapes.

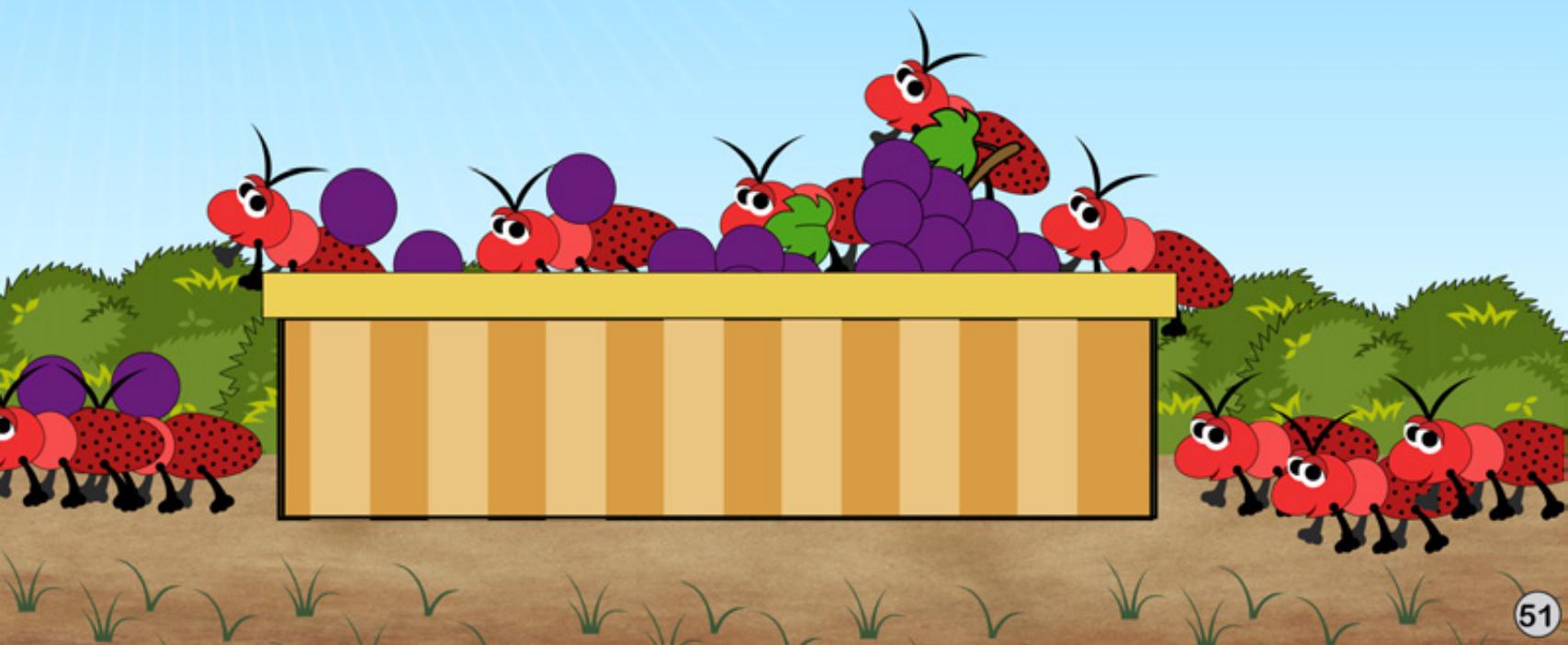
Baraka puts the box of grapes on the ground.



The animal guests start to arrive: Uncle T, Da Chura, Tiny Tembo, and Kobe.
“We’re here!” Da Chura announces.



Baraka goes to pick up the grapes,
but the ants have gotten to the grapes first.
The ants are carrying off the remaining grapes!



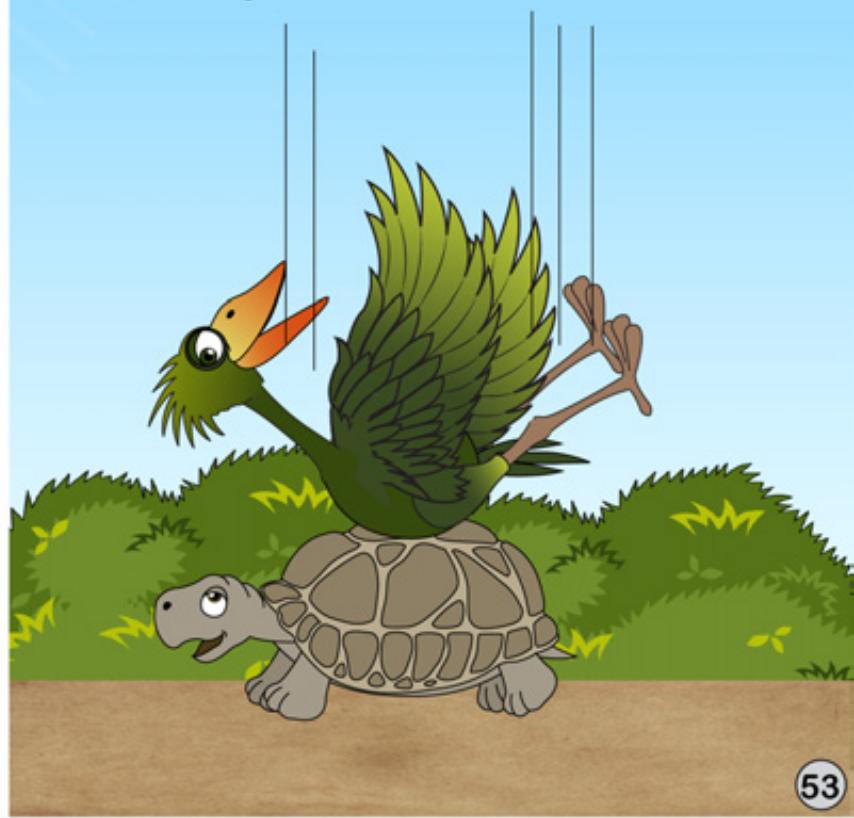
Chaos breaks out! Baraka, Kibena, Kiduchu, and Koba start chasing the ants. Mama Ndege flies off to try to catch them.



But Mama Ndege slams
into Uncle T's face,



and falls to the ground
on top of Kobe!



Uncle T kicks back his legs
and hits Tiny Tembo.



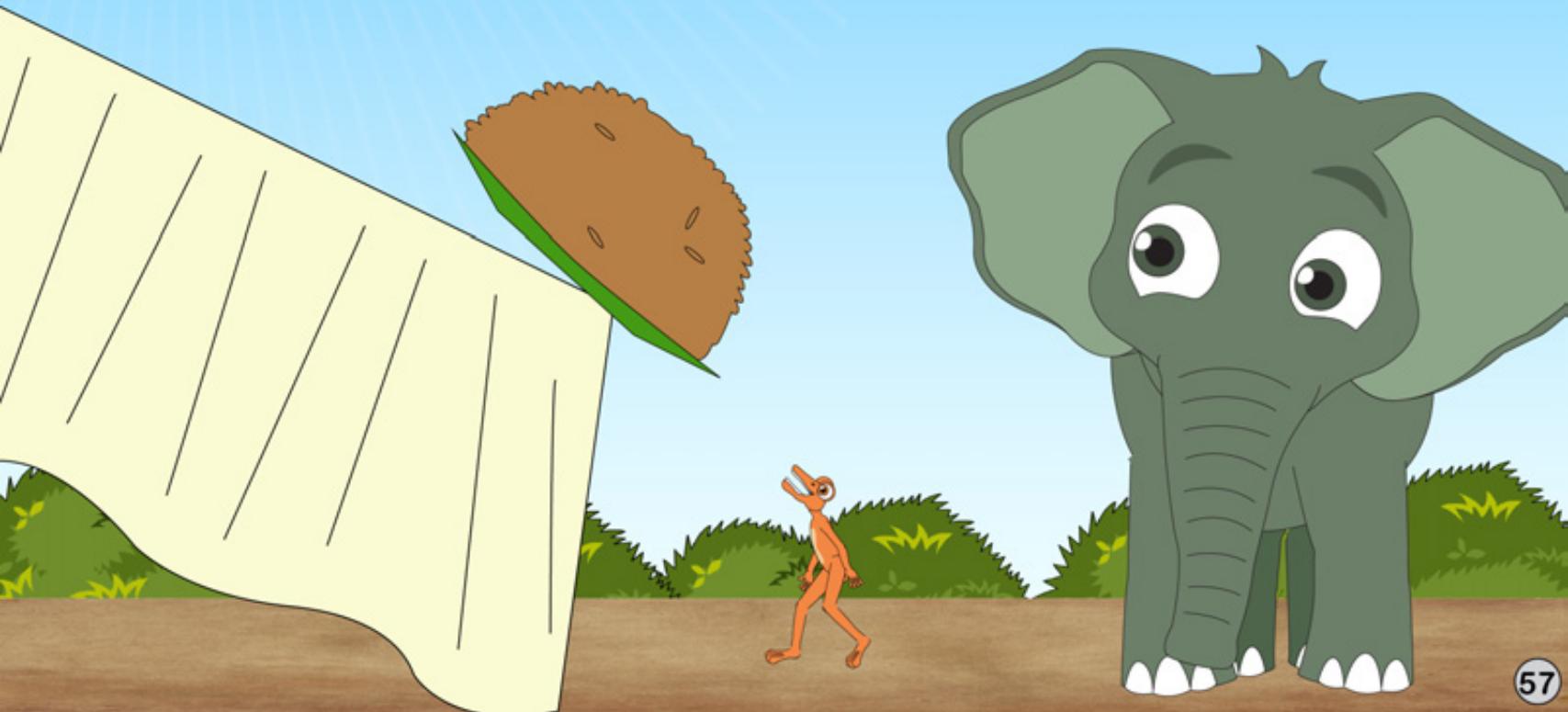
Tiny Tembo loses his balance
and falls onto the table.



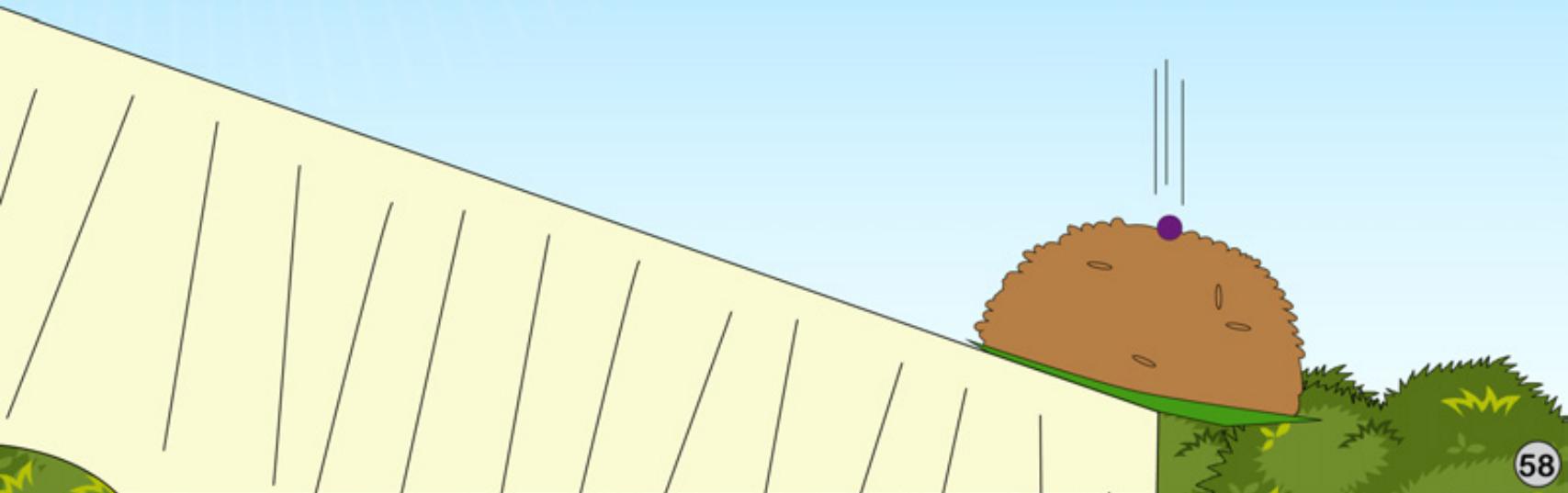
The pilau starts to slide off the table,
but it somehow comes to a stop,
balancing on the very edge
of the table. Everyone stops
and looks at the pilau
anxiously.



Da Chura walks over cautiously and looks up at the plate of pilau.

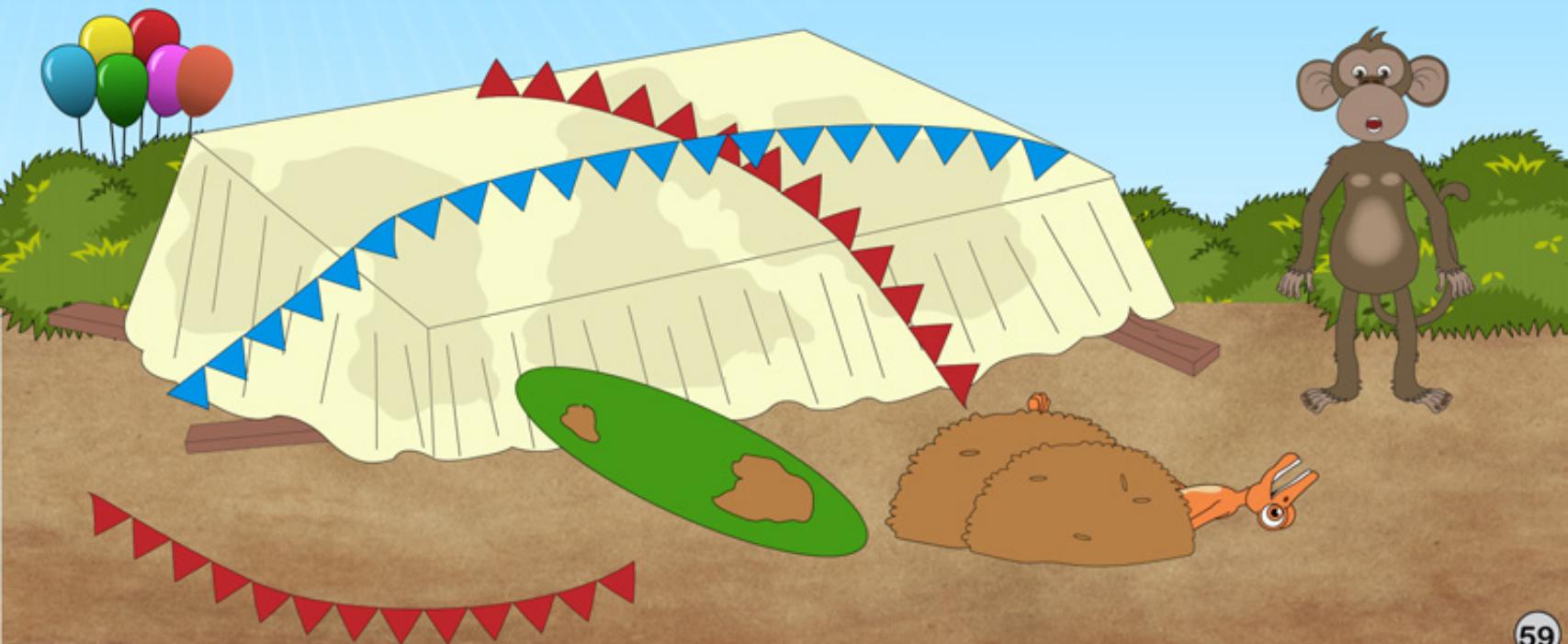


One of the naughty ants
in the tree sees
what is going on.
He drops a grape right
onto the bowl of pilau.



The weight of the grape is enough to spill the pilau all over Da Chura.

“Oh no!” cries Ngedere. “The pilauuu!!!”



It looks as if the party is ruined!
“How many grapes did
the ants steal?” asks Koba.



Kibena writes on the ground. “We had thirty-seven grapes and now we have nineteen left,” she says.

$$\begin{array}{r} 37 \\ - 19 \\ \hline \end{array}$$



“Let’s calculate it,” says Baraka. He and Kibena show the others how to borrow from the tens, to give them **seventeen ones**.

$$\begin{array}{r} 237 \\ - 19 \\ \hline 8 \end{array}$$

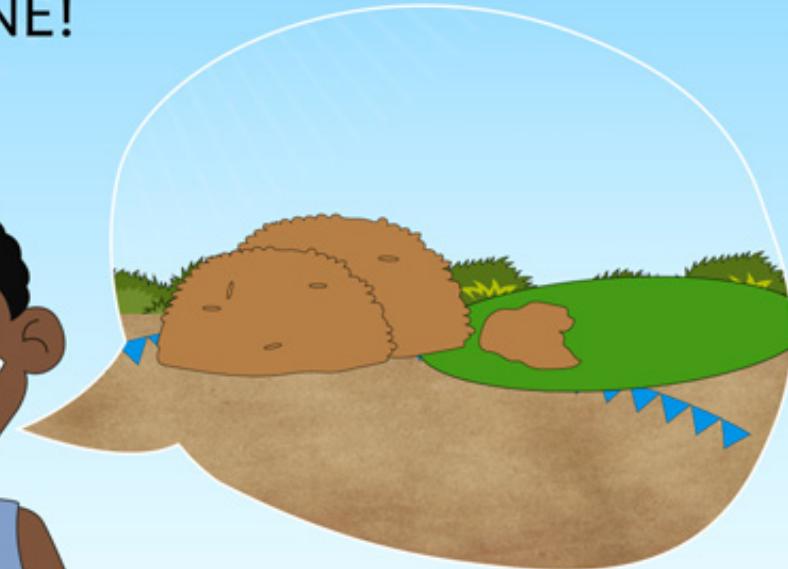
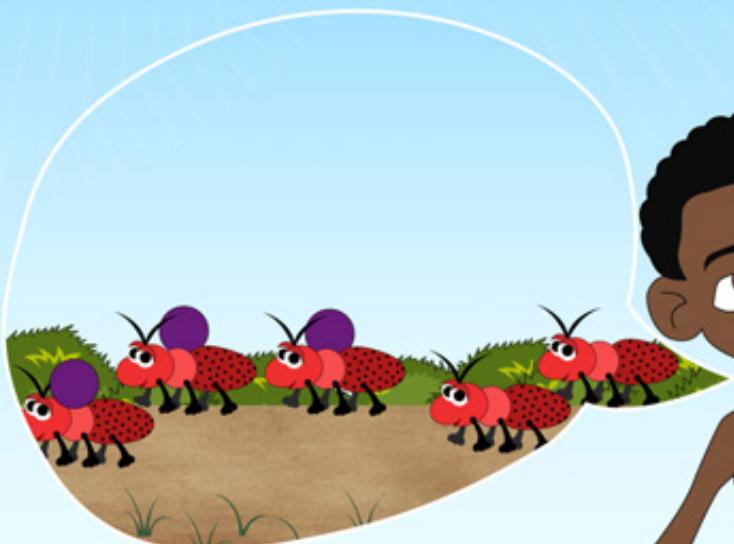

“Seventeen minus nine is **eight**,” says Baraka.

“And we take **one** from the **two tens** we have left,” he continues. “The ants took **eighteen** grapes!”

$$\begin{array}{r} \cancel{2} \cancel{3} 17 \\ - 19 \\ \hline 18 \end{array}$$



“This is a disaster,” says Koba. “We don’t have any pilau, and we don’t even have enough grapes for each guest to have ONE!



The Matimbwa team will think we weren't serious about making peace."

Then they hear the Matimbwa team singing in the distance.



Luckily the Matimbwa team has brought a huge plate of food!

“We were so sure we would win yesterday that we made a big pot of food for our victory party,” they tell the Kokotoans.



“Now we are ALL friends and winners!”
they all decide.



The End

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