

Clever Bird

even and odd numbers



Age
Umri
7+



One day Kiduchu ran up to Kibena and said,
“Come with me, I have something to show you.”



They ran as fast as they could through the forest.



Kiduchu made Kibena hide behind a log.
Kibena asked what they were doing.
“Shh! Watch and see!” said Kiduchu.

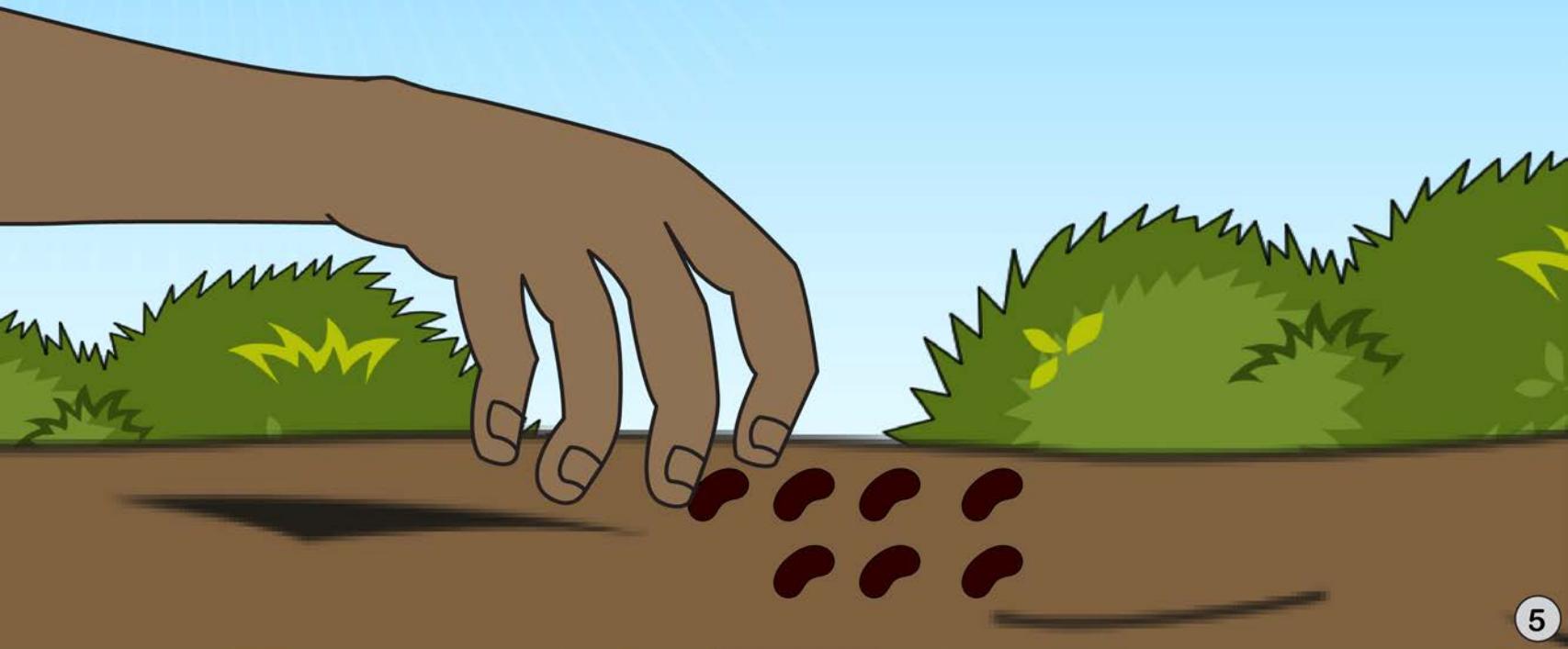




“Yesterday, I put out seeds and she took them all. Why won’t she take them today?” said Kiduchu. “Maybe she’s full,” Kibena replied.



Kibena told Kiduchu to take one seed away.
When there were six seeds instead of seven,
the bird took them all.

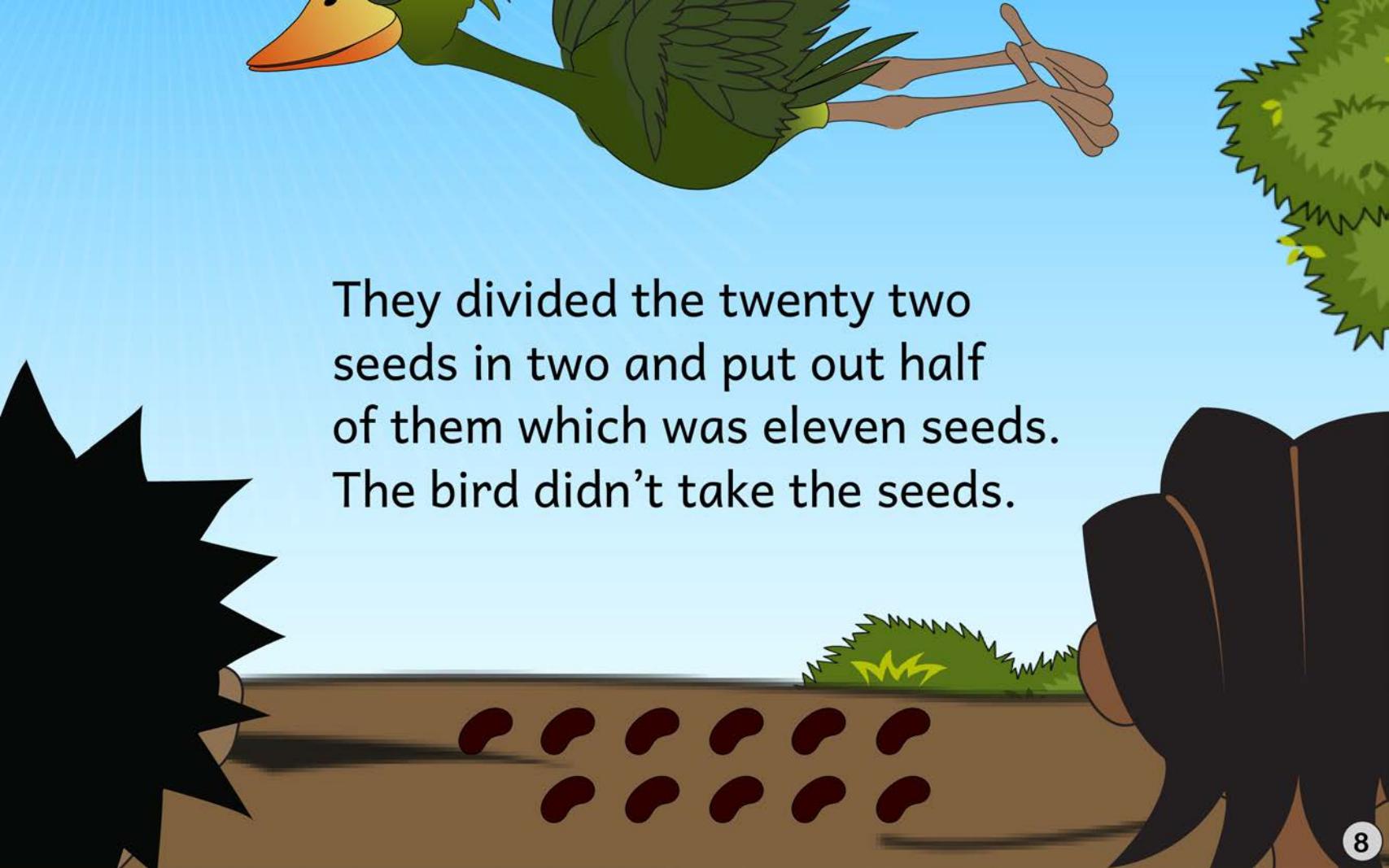


The next morning the girls put out four seeds and the bird took them.



The day after, Kiduchu found twenty two seeds.





They divided the twenty two
seeds in two and put out half
of them which was eleven seeds.
The bird didn't take the seeds.

Kibena told Kiduchu to put out
all twenty two seeds.
The bird swooped down
and took them all.



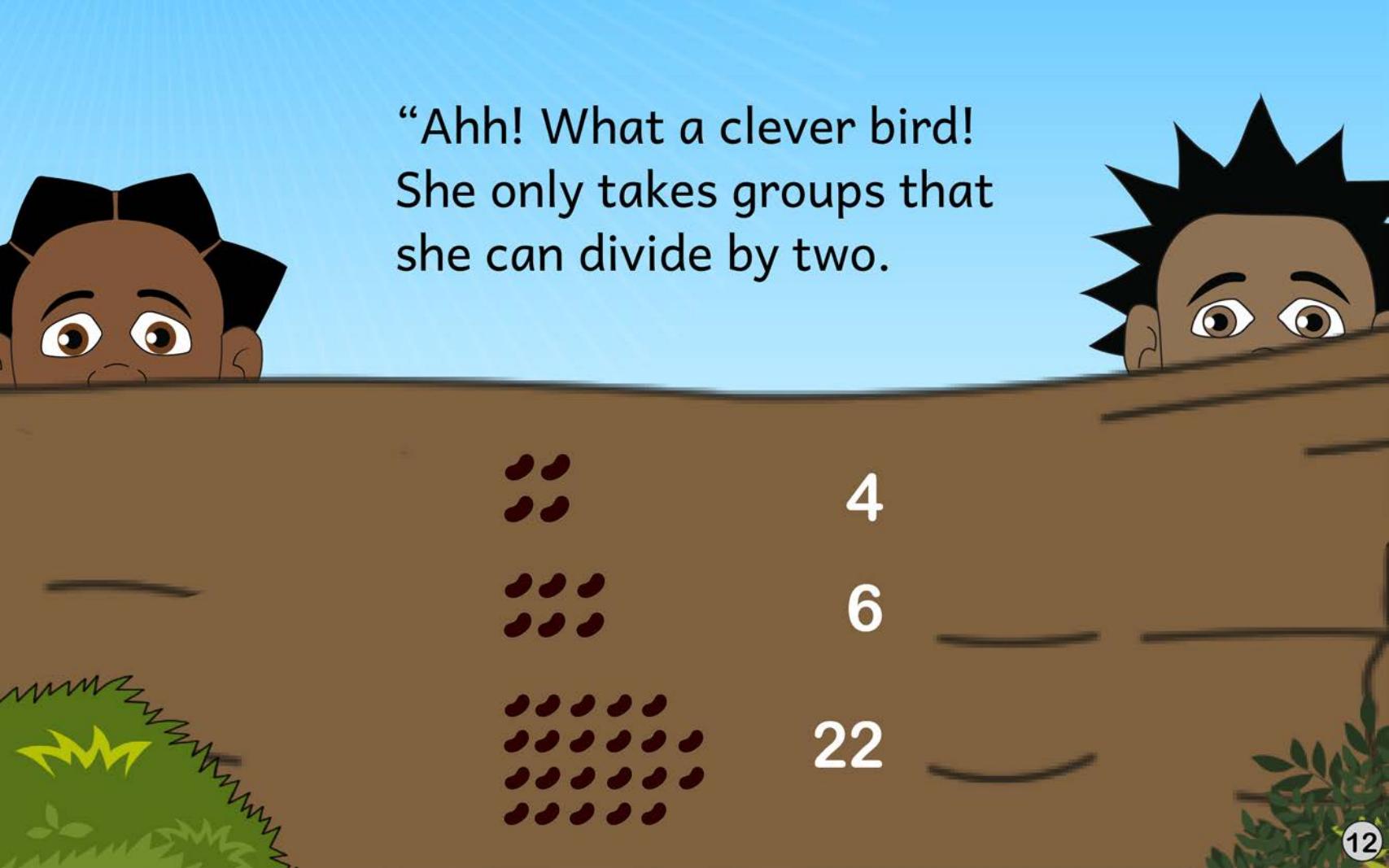


Kibena ran after the bird. She wanted to know why sometimes the bird took the seeds and sometimes she didn't.



The bird stopped at her nest. She fed her two babies one seed at a time saying, “One for you...One for you...One for you,” until all the seeds were gone.





“Ahh! What a clever bird!
She only takes groups that
she can divide by two.



4



6



22

She can divide four into two groups,
so each chick gets two seeds.



$$4 \div 2 = 2$$

She can divide six into two groups,
so each chick gets three seeds.



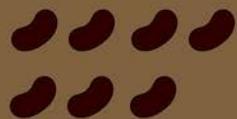
$$6 \div 2 = 3$$

She can divide twenty two into two groups,
so each chick gets eleven seeds," said Kibena.



$$22 \div 2 = 11$$

“Seven and eleven can’t be divided by two. That’s why she didn’t take the groups of seven and eleven seeds,” added Kiduchu.

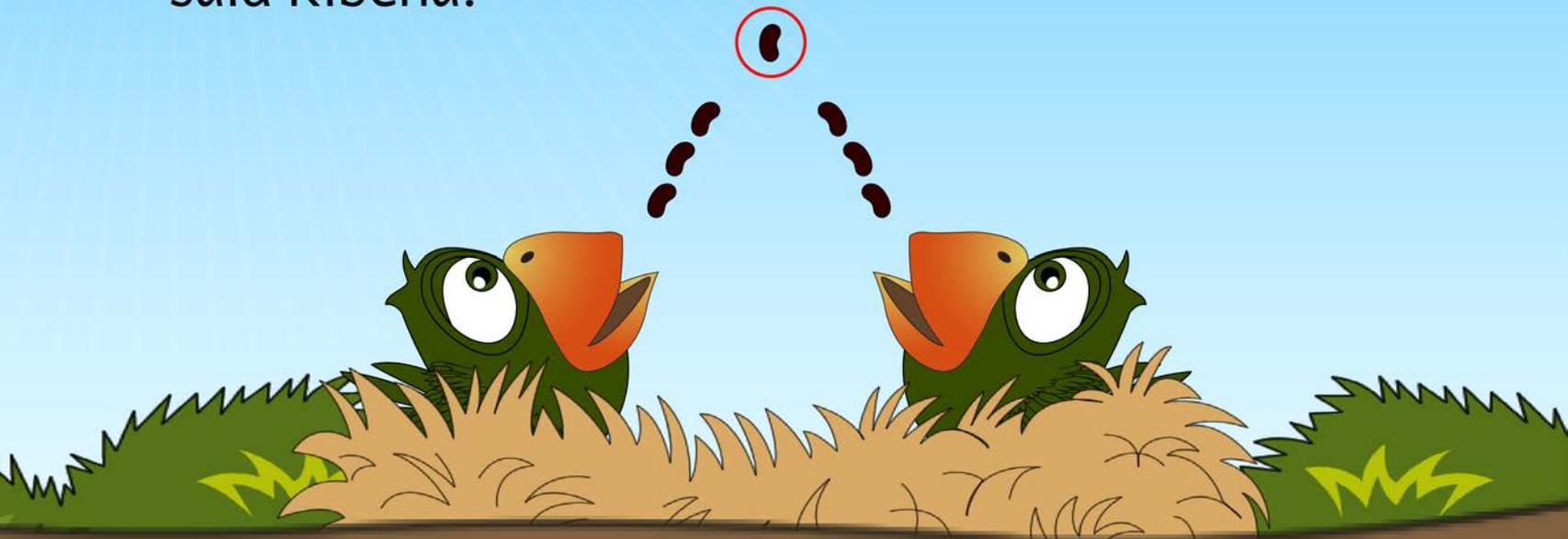


7 cannot be divided by 2



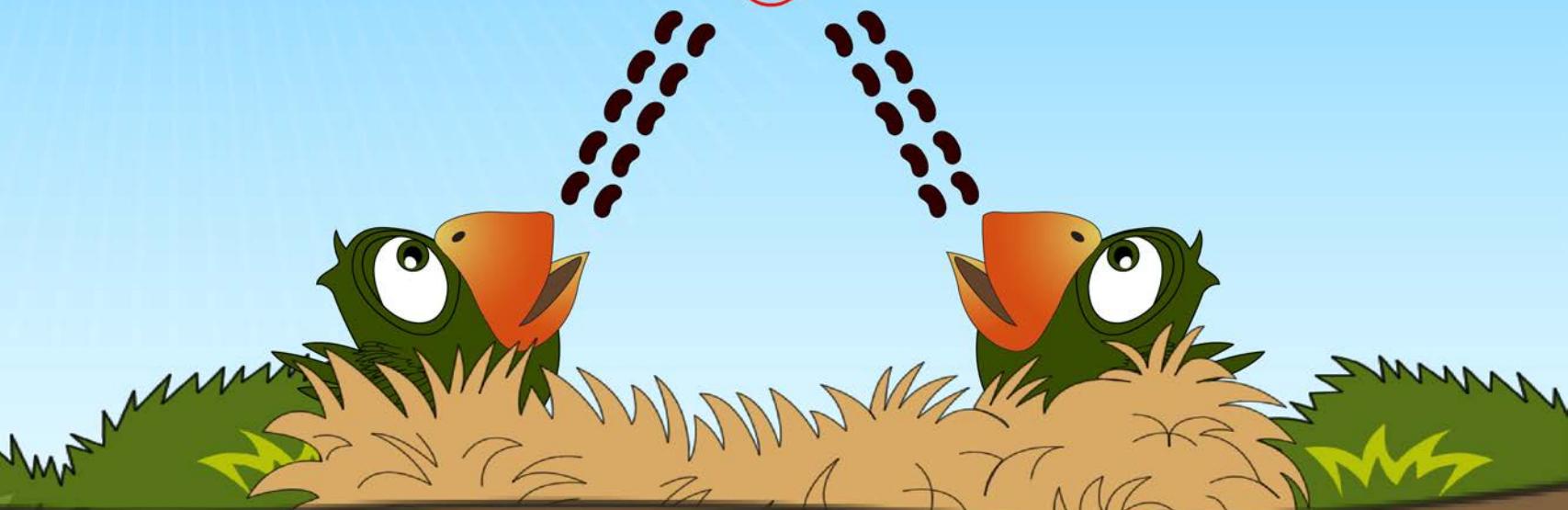
11 cannot be divided by 2

“Seven can’t be divided by two. Do you see how her chicks wouldn’t get the same amount?” said Kibena.



7 cannot be divided by 2

“Eleven also can’t be divided by two. So her chicks would have to fight over the eleventh seed,” added Kiduchu.



11 cannot be divided by 2

The bird, whose name is Mama Ndege,
saw the girls. She asked if they were
planning to steal her chicks.



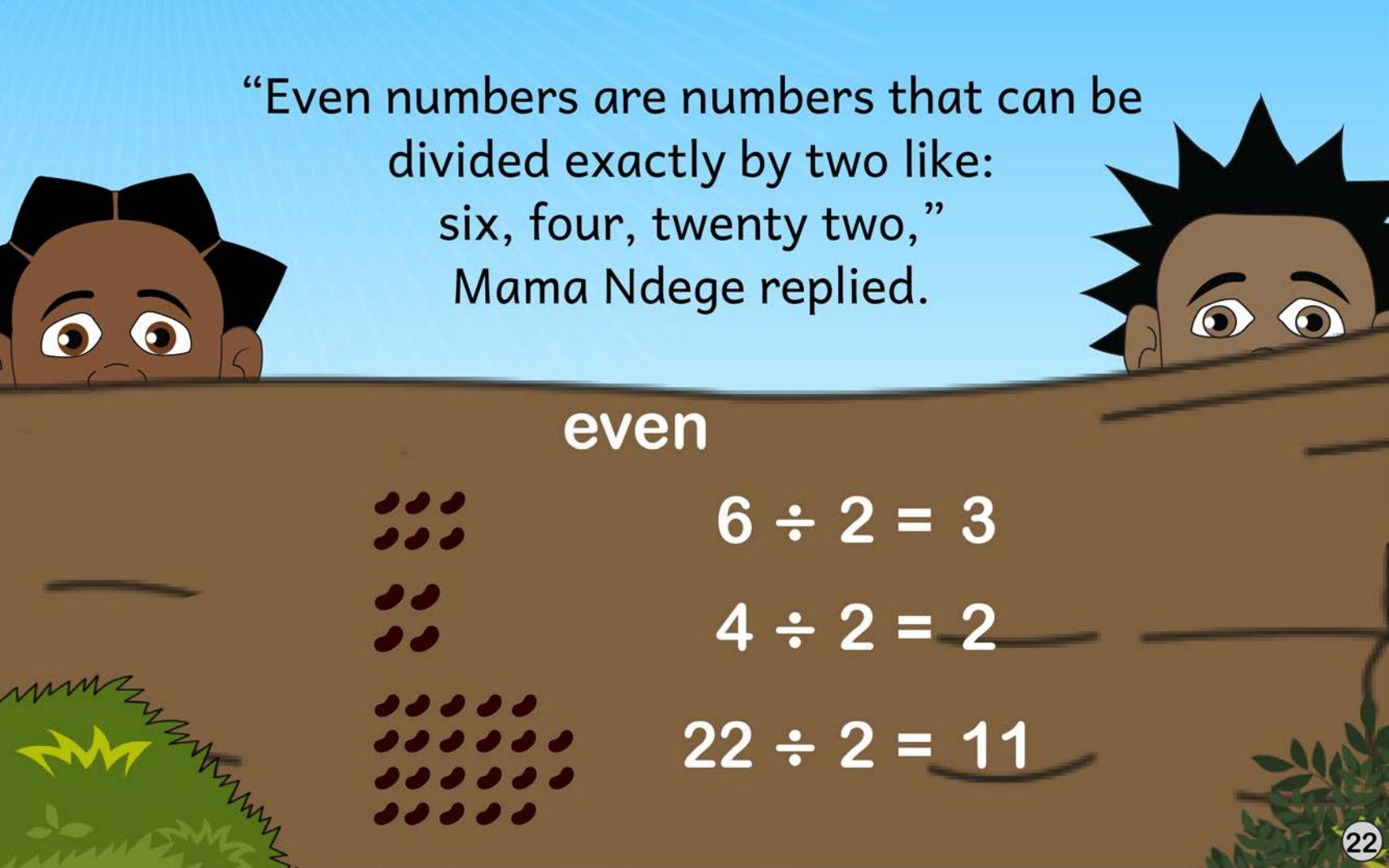
“No, no, no! We just wanted to know why sometimes you took the seeds and sometimes you did not,” Kiduchu replied.



“Can’t you see, I have two chicks. I need to give them the same. I only take the seeds when the number is even,” said Mama Ndege.

“What are even numbers?” asked both girls.





“Even numbers are numbers that can be divided exactly by two like: six, four, twenty two,”
Mama Ndege replied.

even



$$6 \div 2 = 3$$



$$4 \div 2 = 2$$



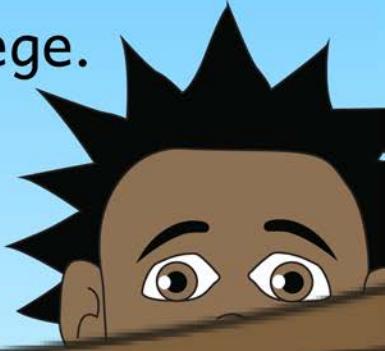
$$22 \div 2 = 11$$

“What about numbers that can’t be divided exactly by two? What are they called?” the girls asked.

“They’re called odd numbers, like the three of us here,” Mama Ndege told them.



“Three, seven and eleven
are all odd numbers,” said Mama Ndege.



odd

3 cannot be divided by 2



7 cannot be divided by 2



11 cannot be divided by 2

Mama Ndege thanked the girls for the seeds for her chicks and flew off to teach her math lesson in the forest classroom.



The End

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