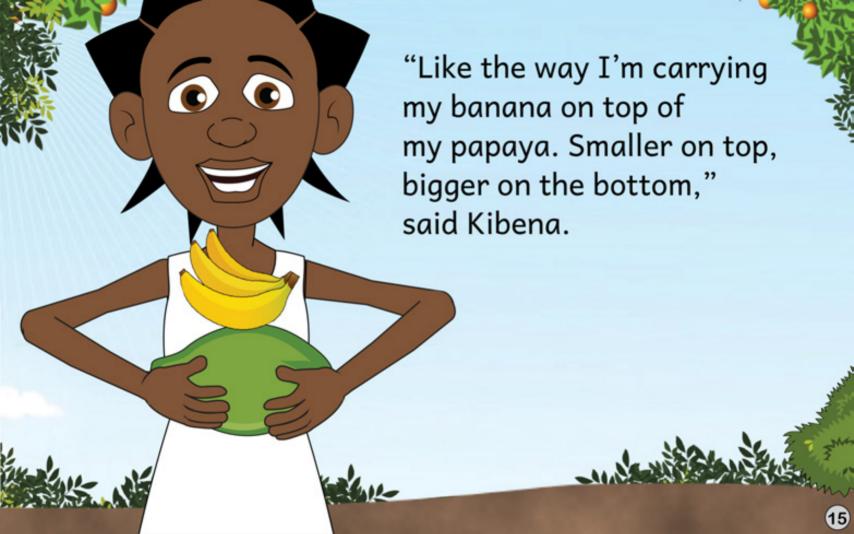


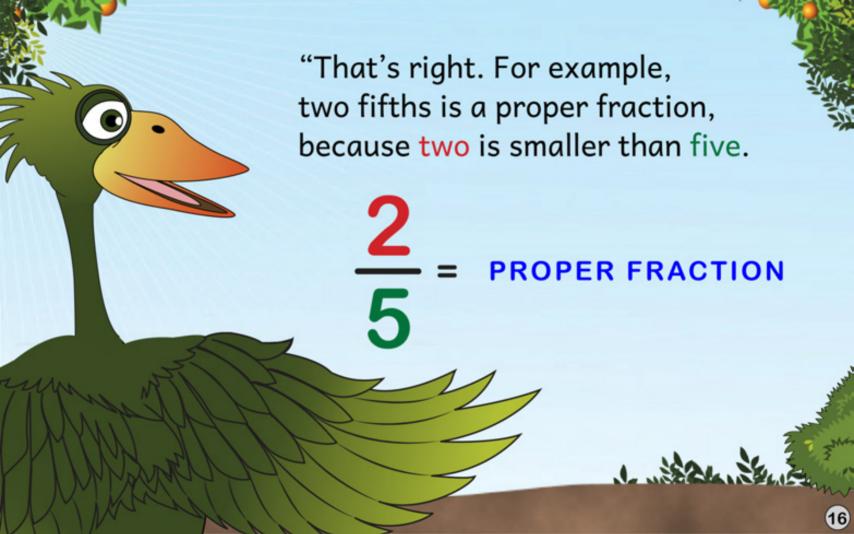
"A proper fraction is a fraction where the numerator (the number on top) is smaller than the denominator (the number on the bottom)."

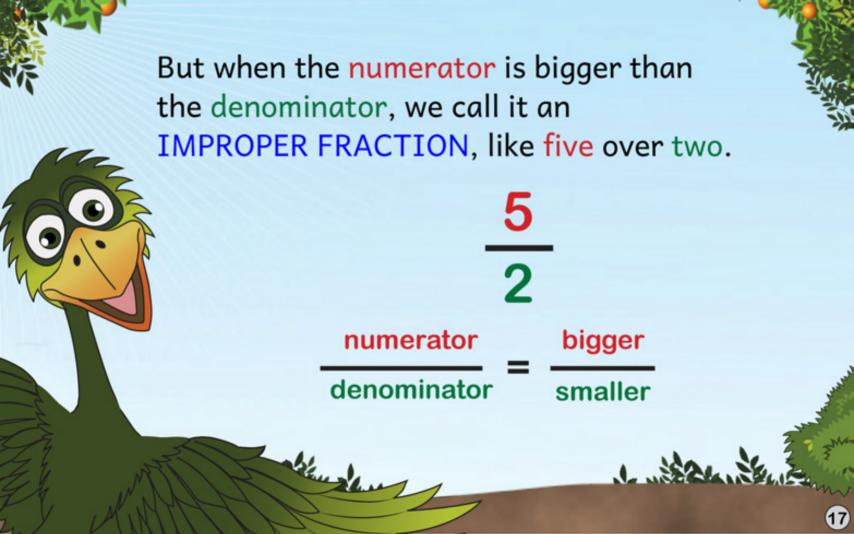


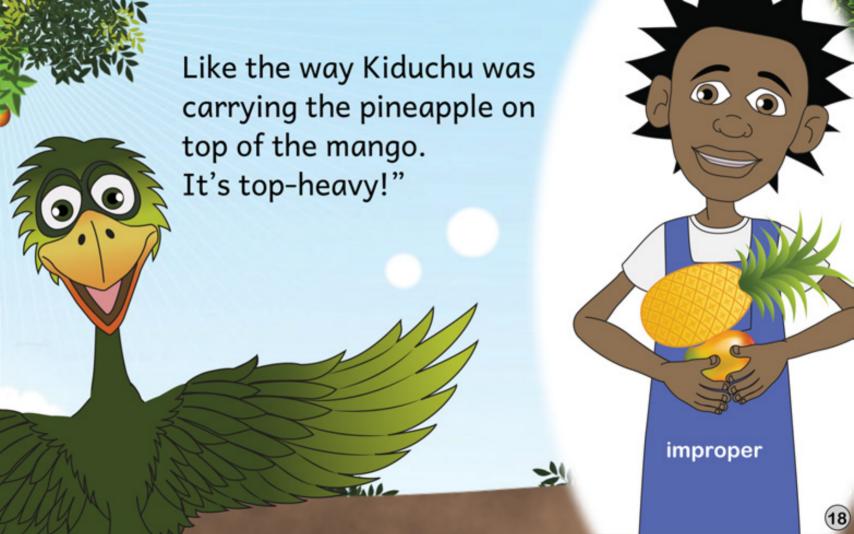
PROPER FRACTION:

numerator smaller
denominator bigger



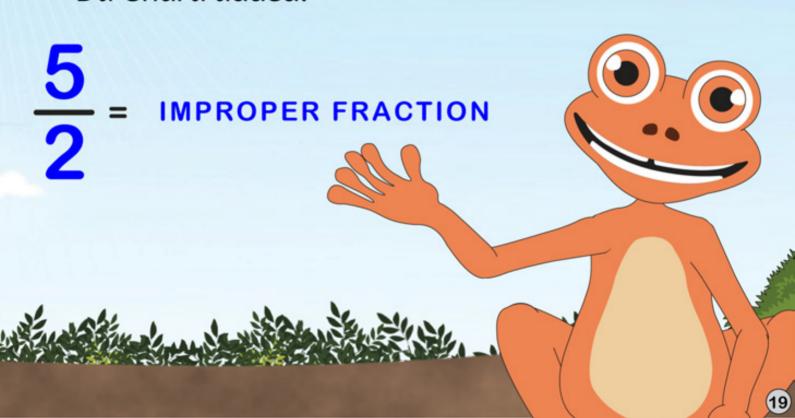


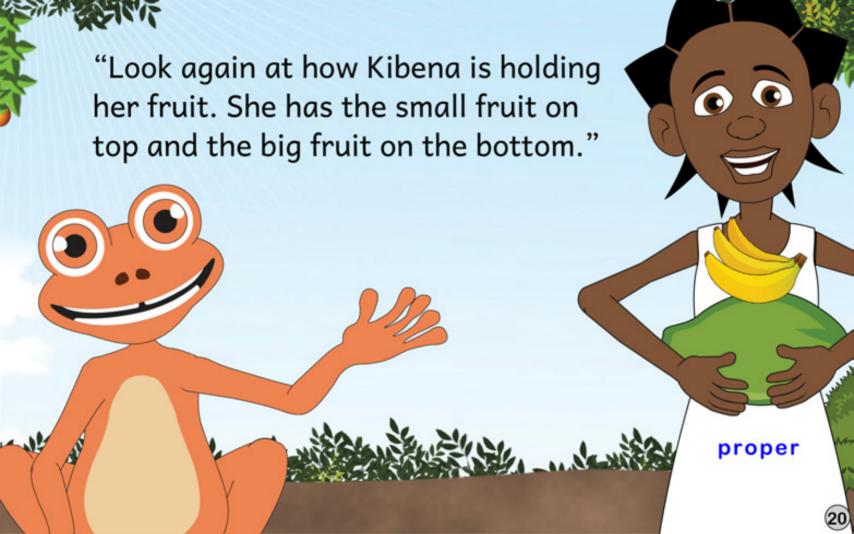




"So five over two is an improper fraction!"

Da Chura added.



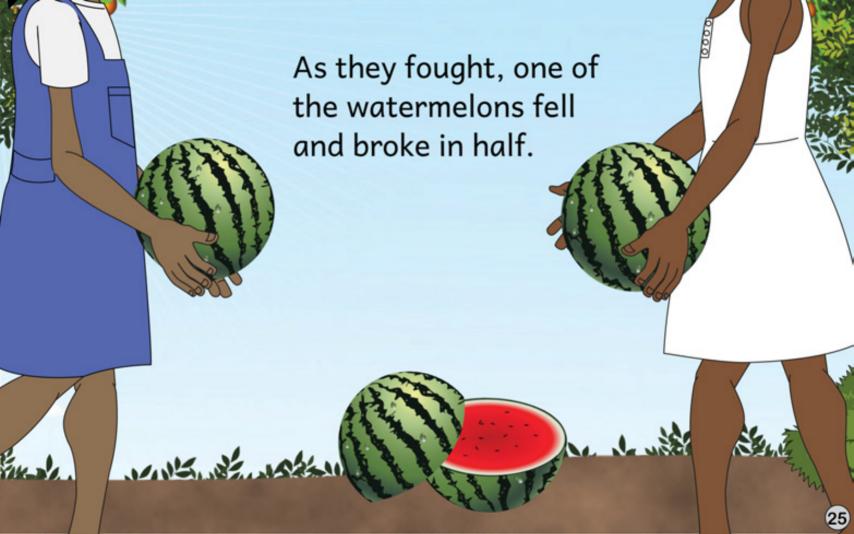




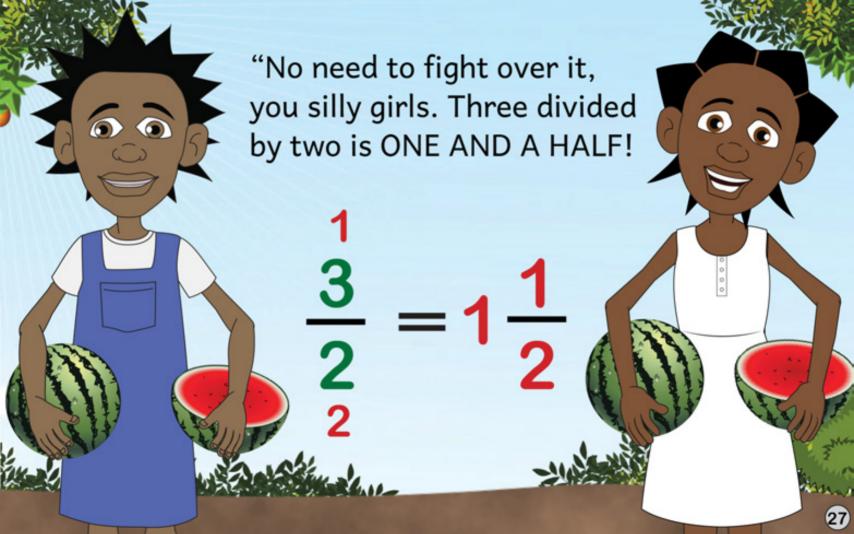








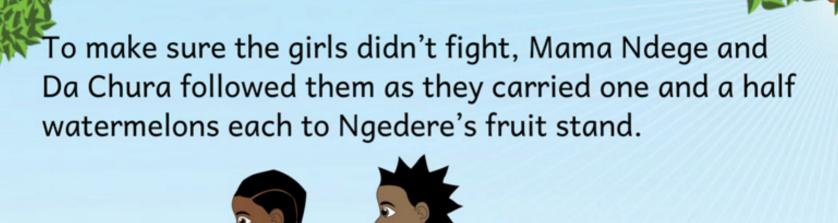




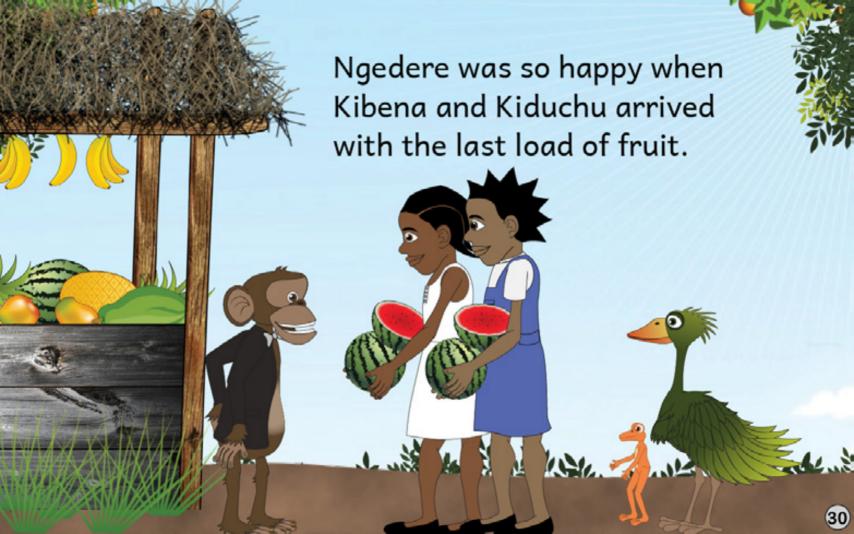
One and half is called a mixed number, because it combines a whole number and a proper fraction together. Just like each of you are holding one whole melon and one half melon!"

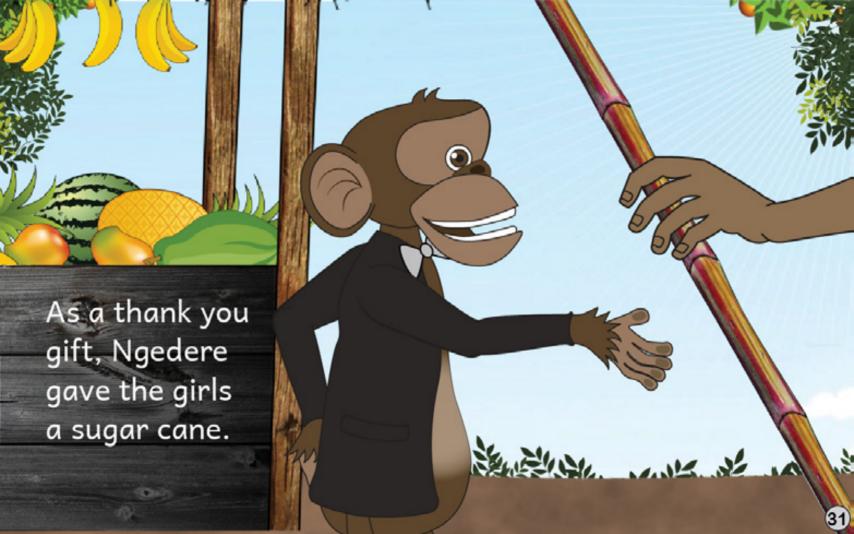
$$1\frac{1}{2} = 1 + \frac{1}{2}$$

$$\underset{\text{whole} \\ \text{number}}{\text{mixed}}$$

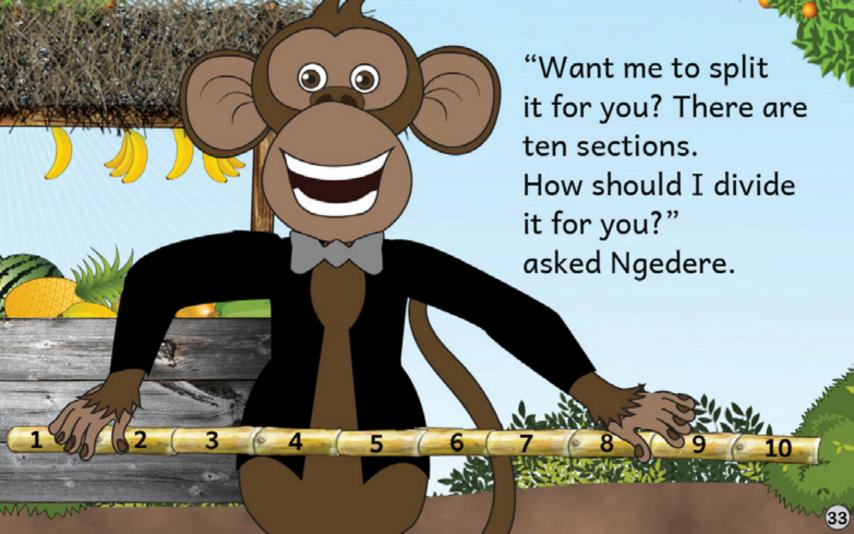


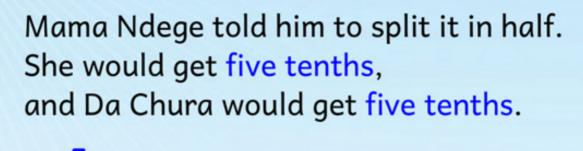




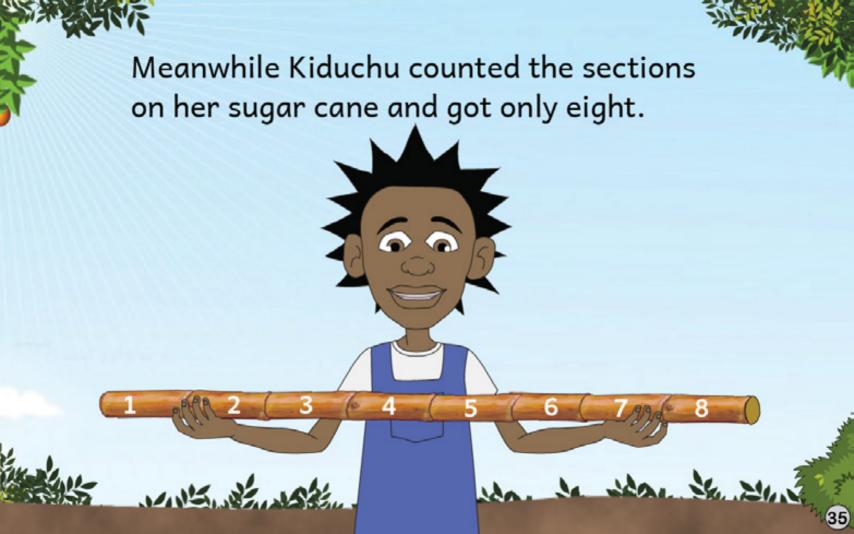




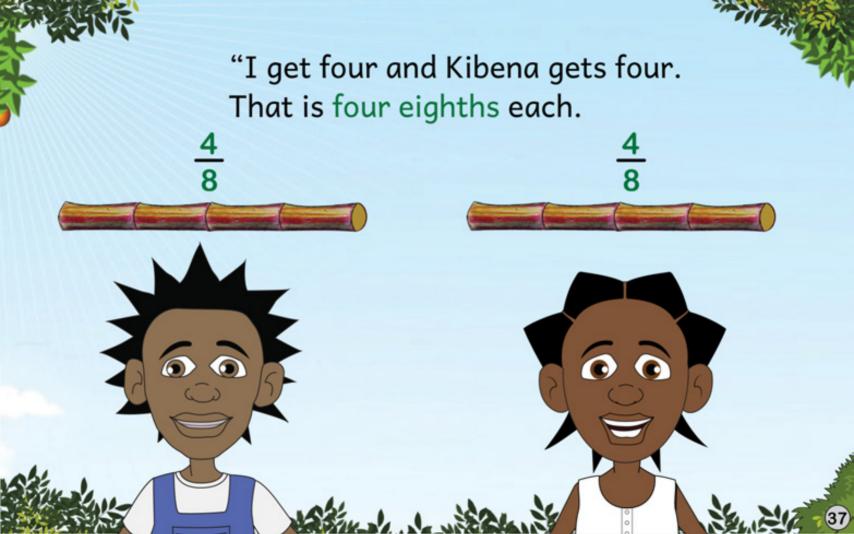






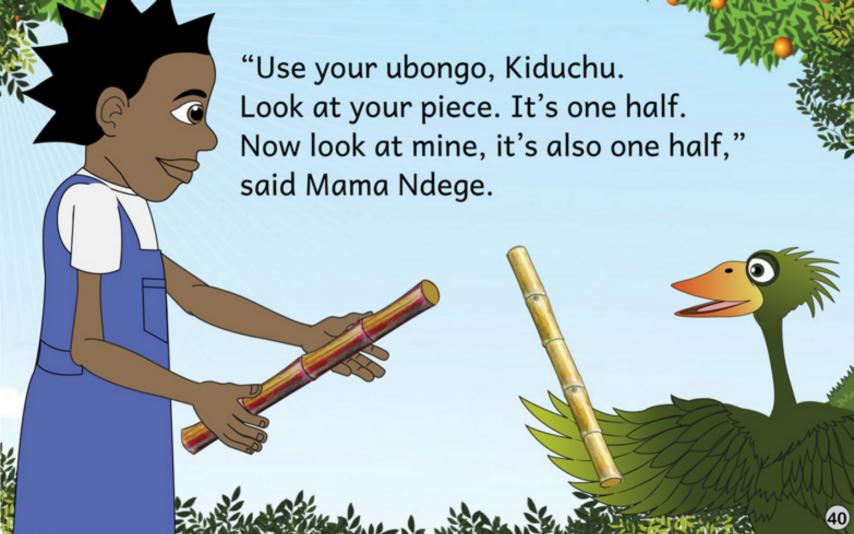


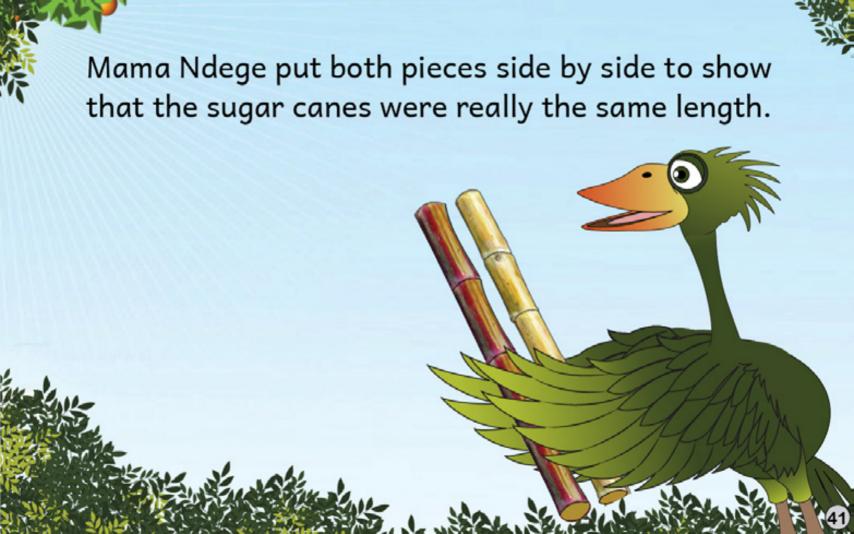


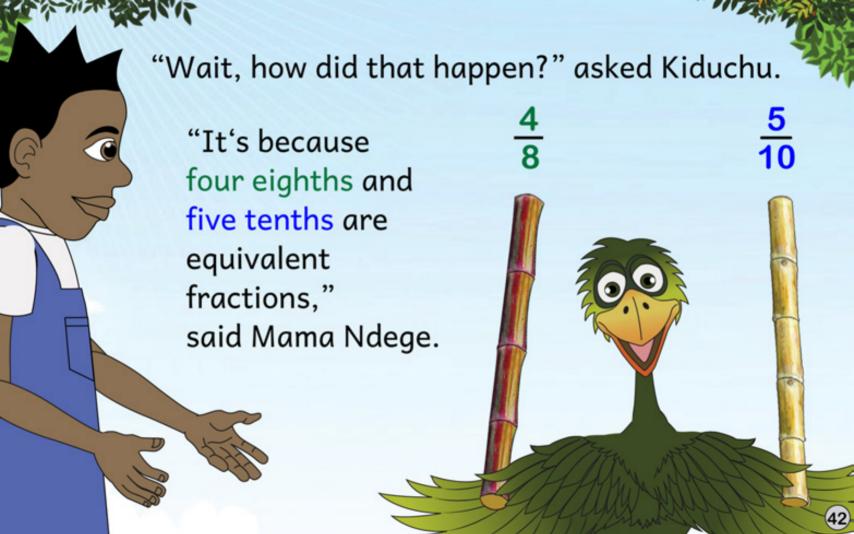




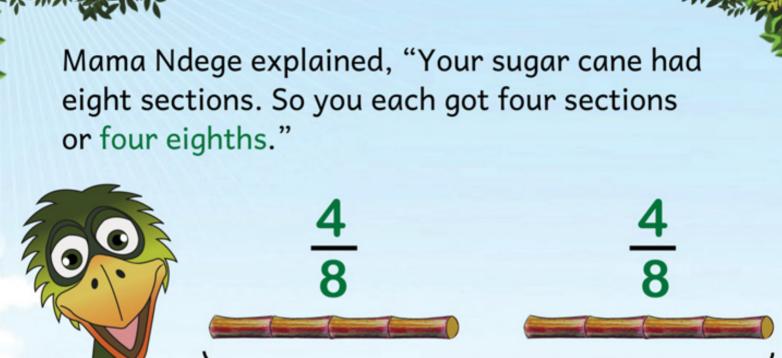


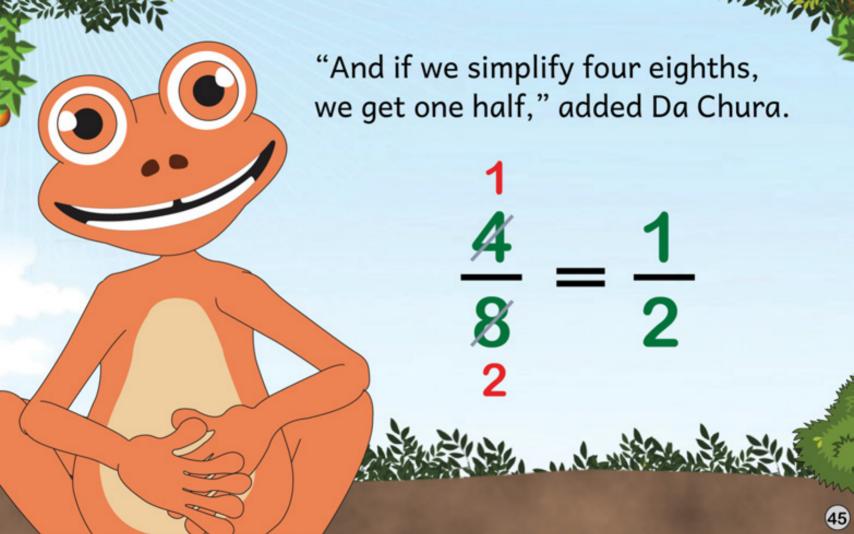


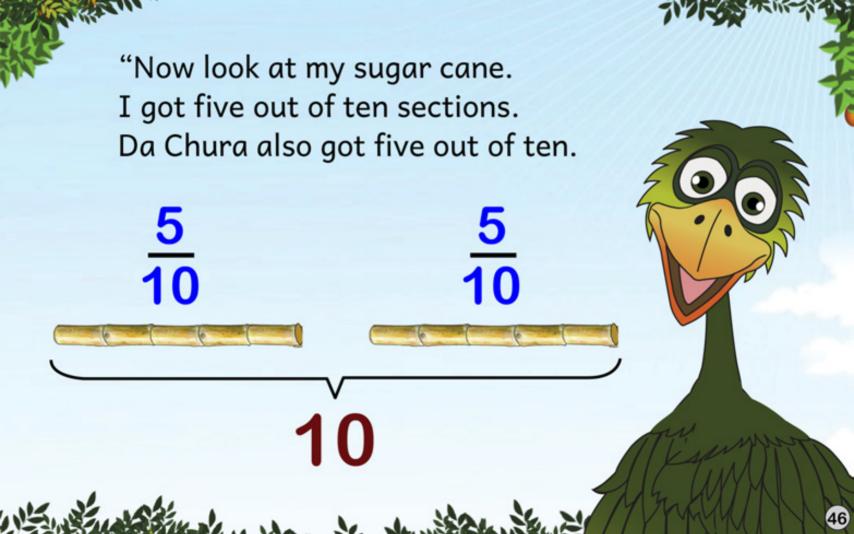




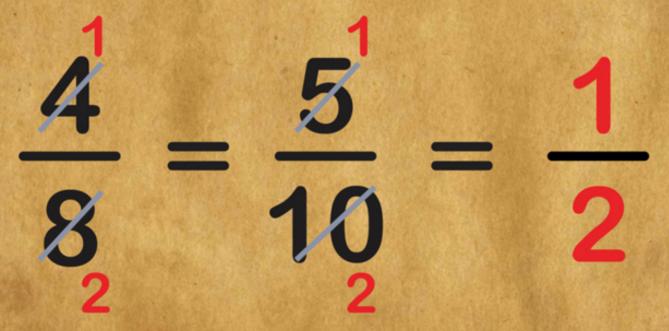




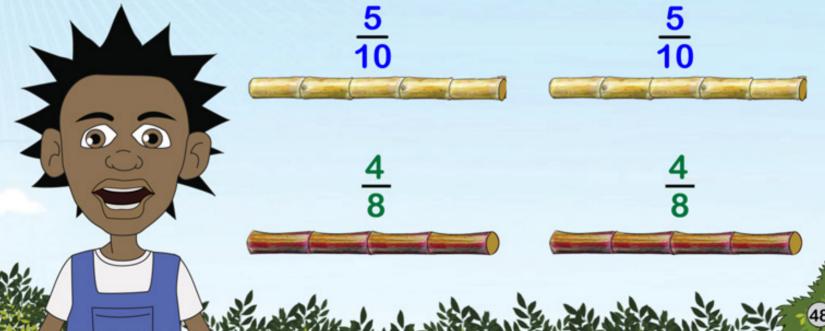


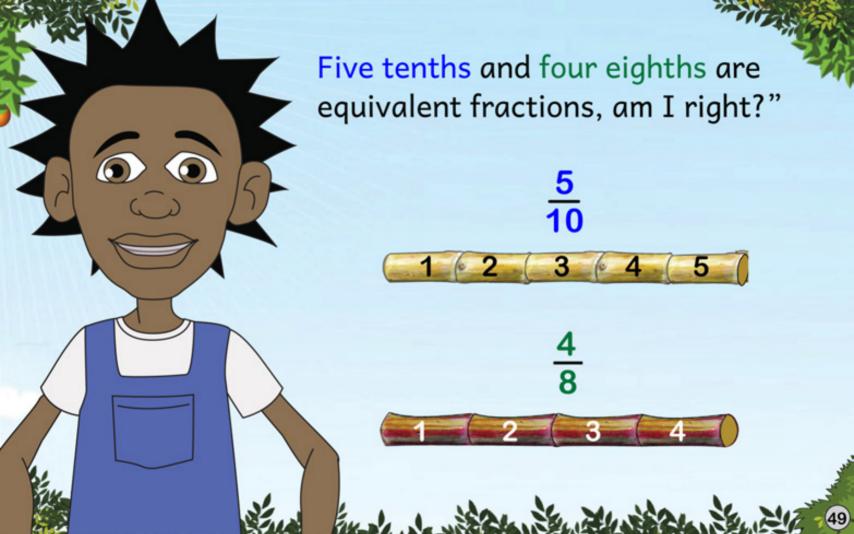


When you simplify, you can see that both your four eighths and my five tenths are ONE HALF. We all got exactly the same amount."



"I get it now! Since the two canes were the same length but had different numbers of sections, four eighths of mine is the same as five tenths of yours. They are all one half.



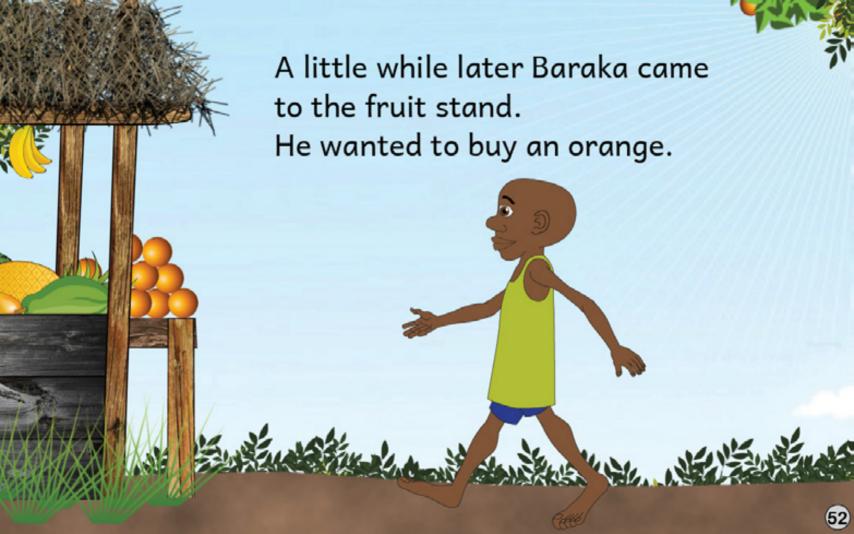


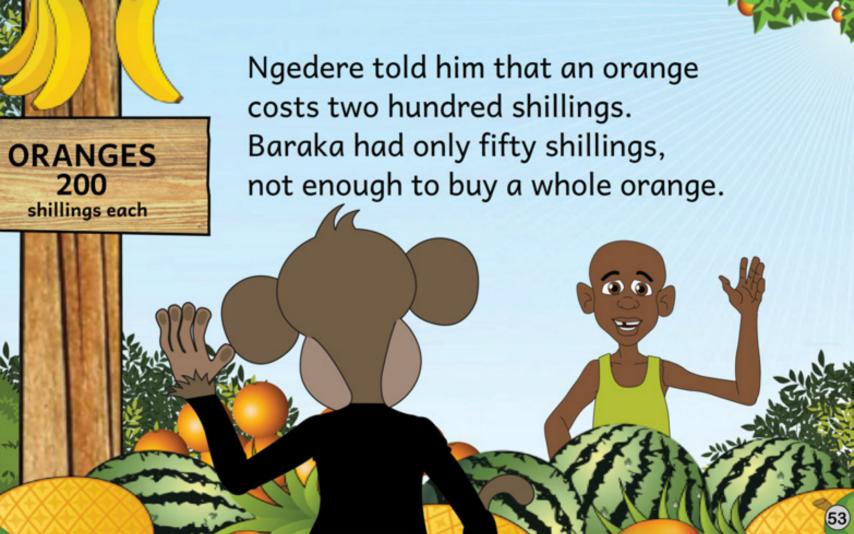


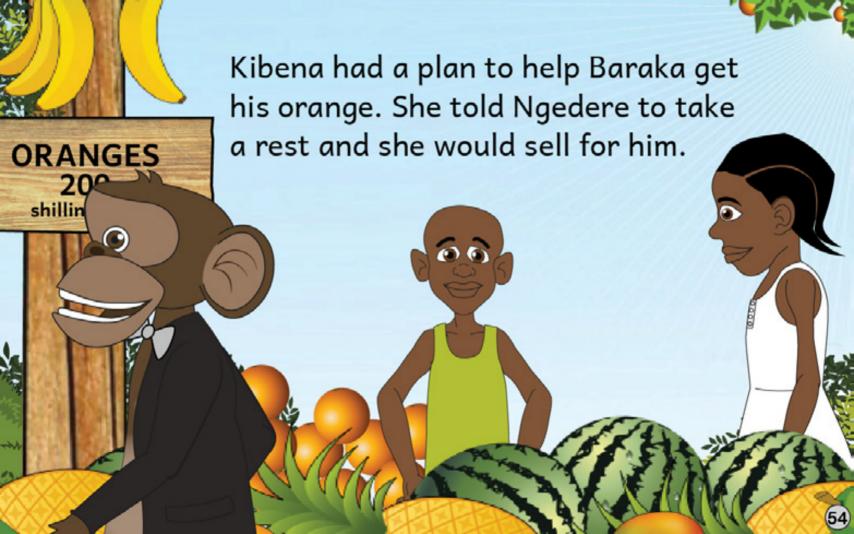


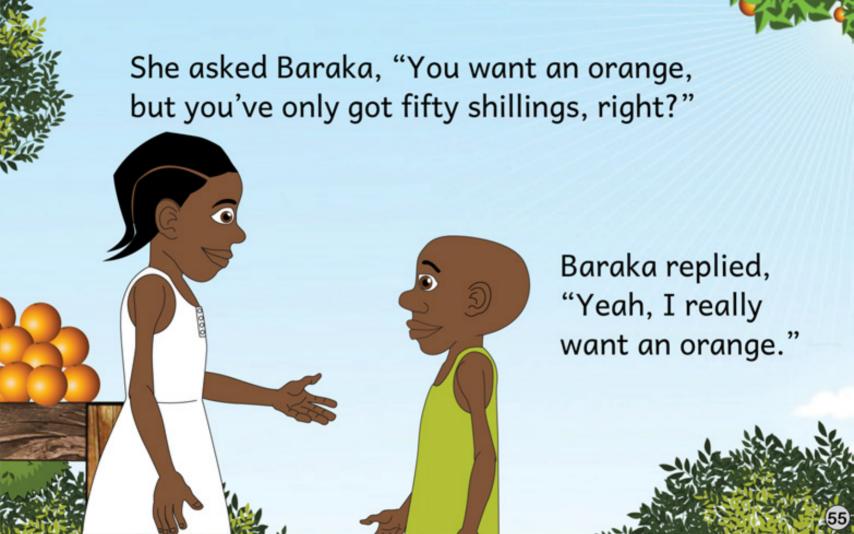
"One outta two, Two outta four, Three outta six, Four outta eight, Five outta ten, In the end they're all the same. They're one half!"



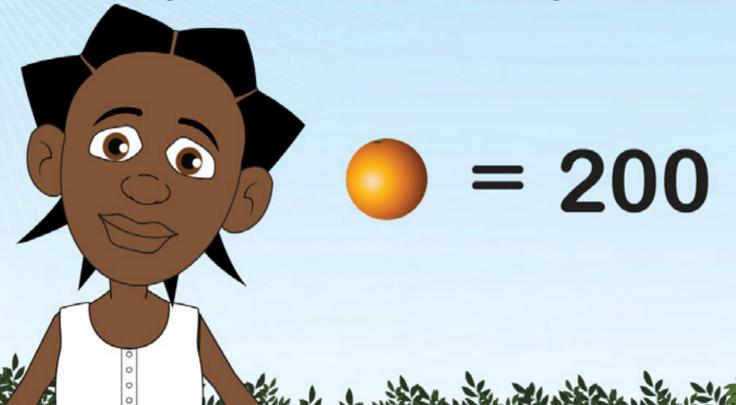






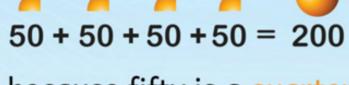


"Here's how you can get your orange. Listen well. Each orange costs two hundred shillings.



If I cut an orange into four pieces, I can sell one piece to you for fifty shillings,



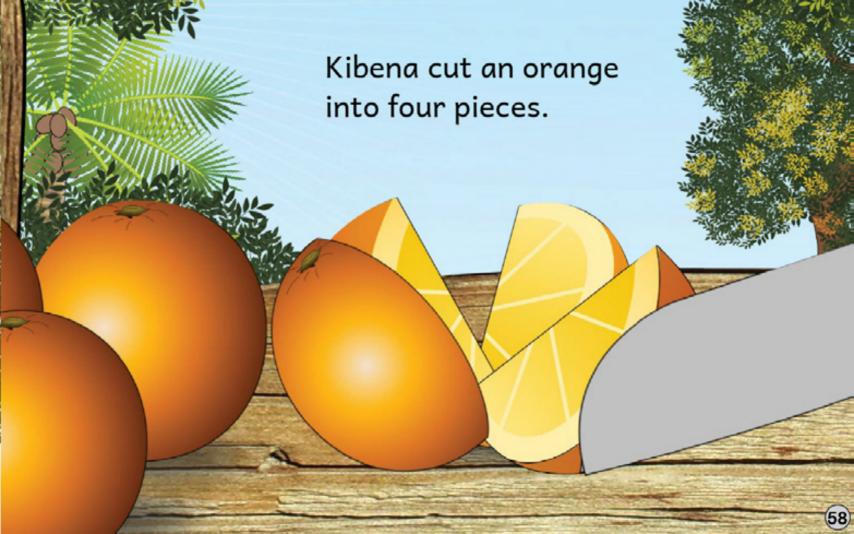


because fifty is a quarter of two hundred."

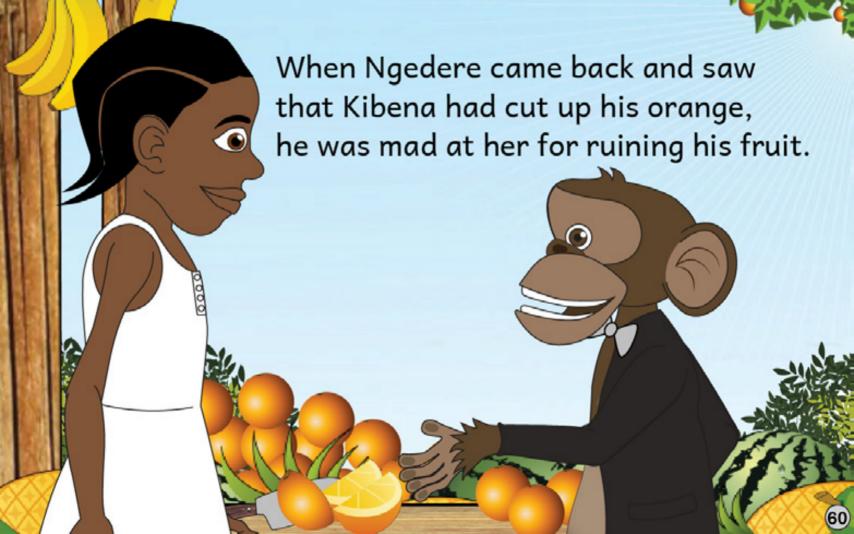
Simplify:

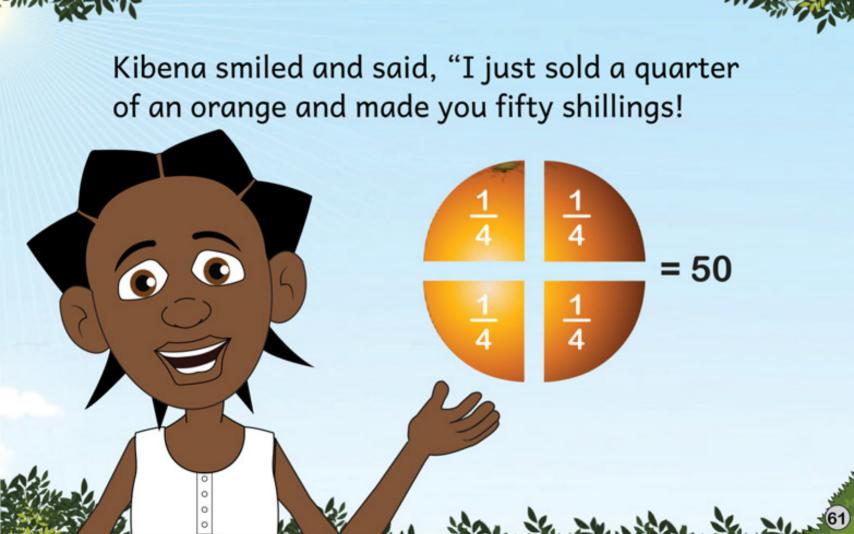
Divide top & bottom by 10

Divide top & bottom by 5 $\frac{5}{20} = \frac{1}{20}$

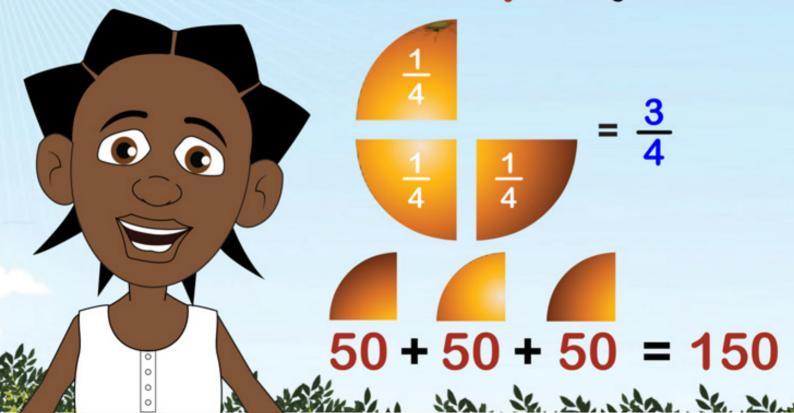




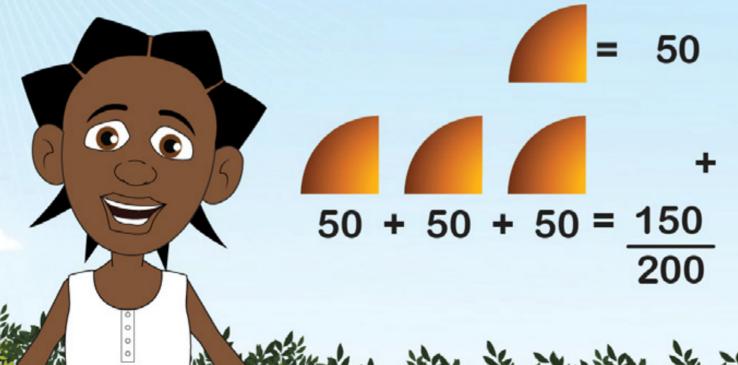




You still have three quarters left, which you can sell for another one hundred and fifty shillings.



Fifty shillings from the slice I sold Baraka plus one hundred and fifty for the other three slices will get you two hundred.





"That's a great idea, Kibena. I turned away business because Baraka only had fifty shillings, not enough to buy a whole orange. Thanks for showing me how to make money by selling quarter slices," said Ngedere.

