

One day, Koba went fishing with Mzee Kigo. He wanted to get rich by selling fish.

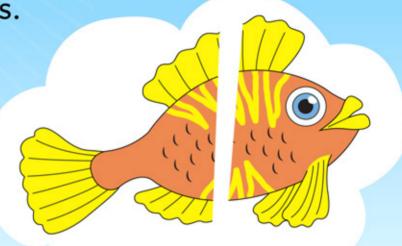


## They agreed to divide in half any fish they caught.

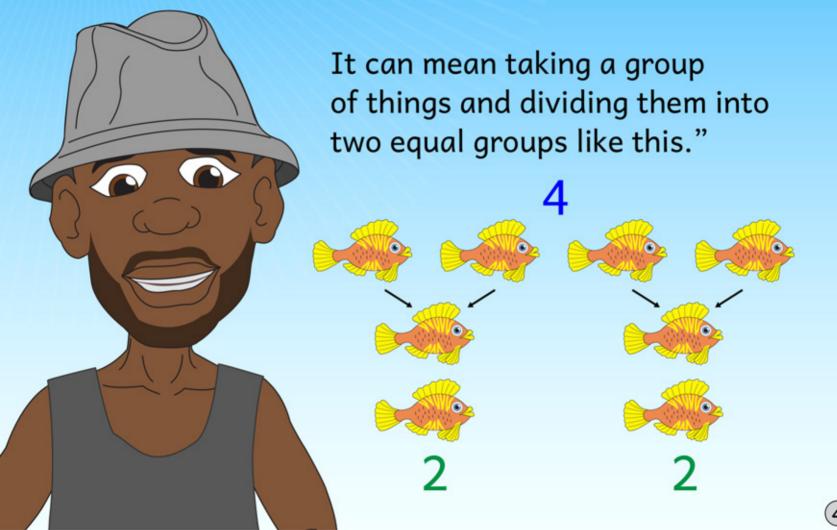


Koba asked if that meant cutting the fish into two pieces.



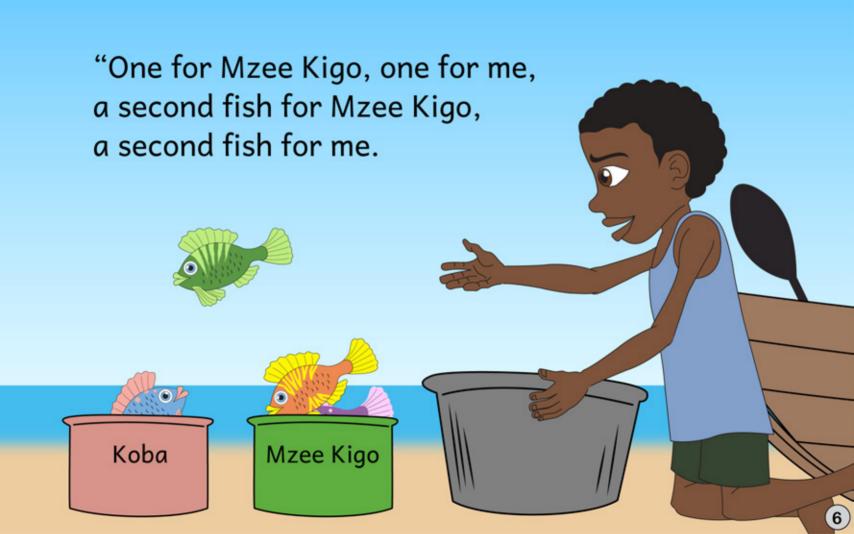


"No...half doesn't always mean cutting something in two.



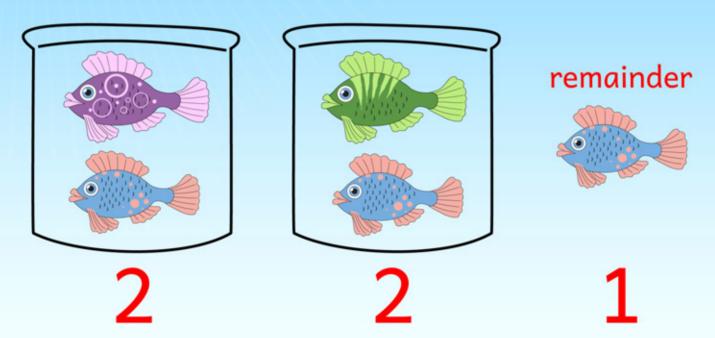
After a few hours, they came back to shore. Mzee Kigo gave Koba two buckets and told him to divide the fish equally between the two of them.





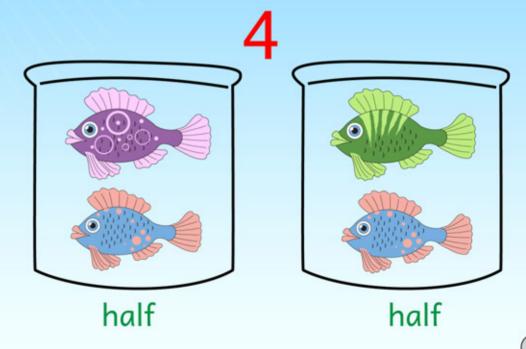


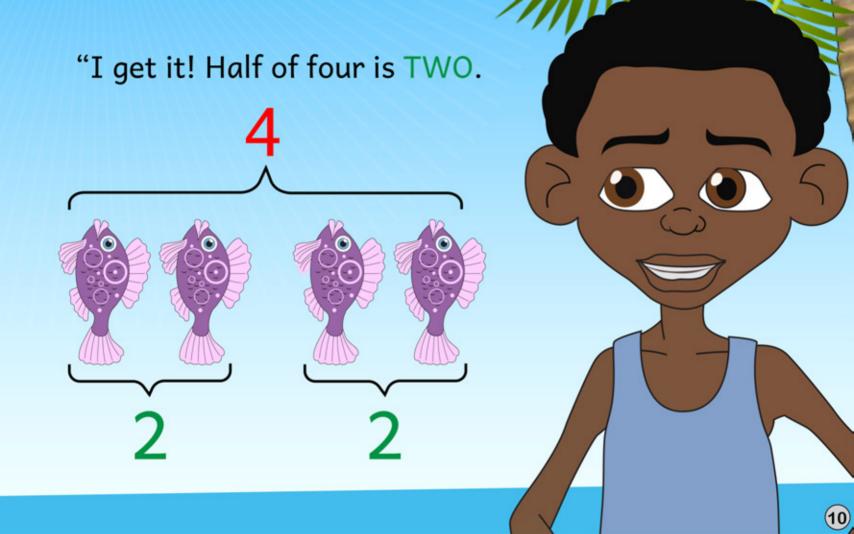
Mzee Kigo told Koba that in math the leftover is called the remainder. He told him to put it back in the sea.



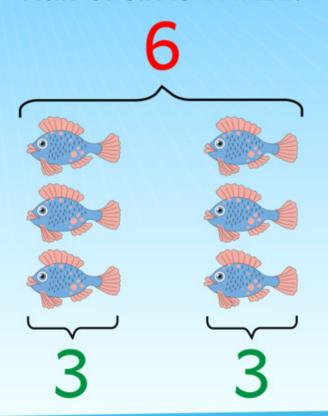


"Now you see...I have half of the fish and you have half. No need to fight over the remainder!"



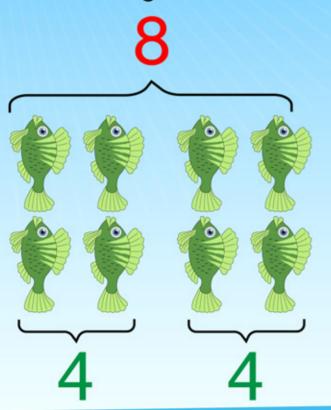


Half of six is THREE.





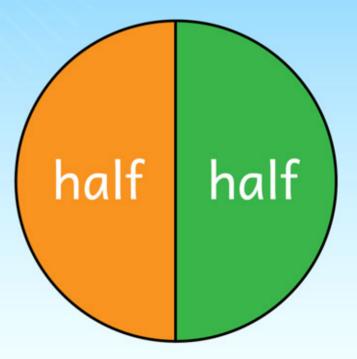
Half of eight is FOUR."







"Well done! Now you understand the concept of half very well."





The next day, Baraka came fishing as well. They caught more fish than the day before. They agreed to divide the fish between the three of them.

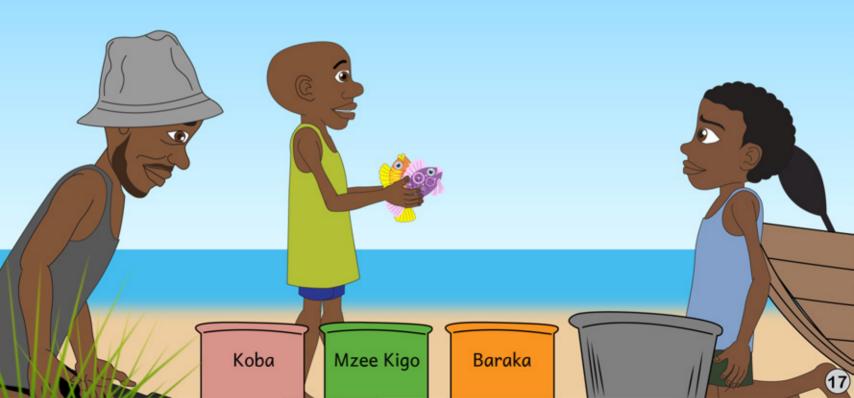


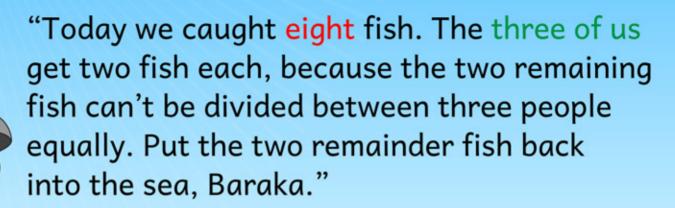
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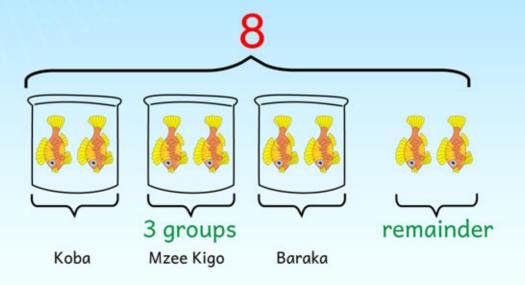
After a while, they came back to shore. Baraka divided the fish into three buckets, but he had two fish leftover.



Mzee Kigo told him to throw the two lucky fish back into the sea.

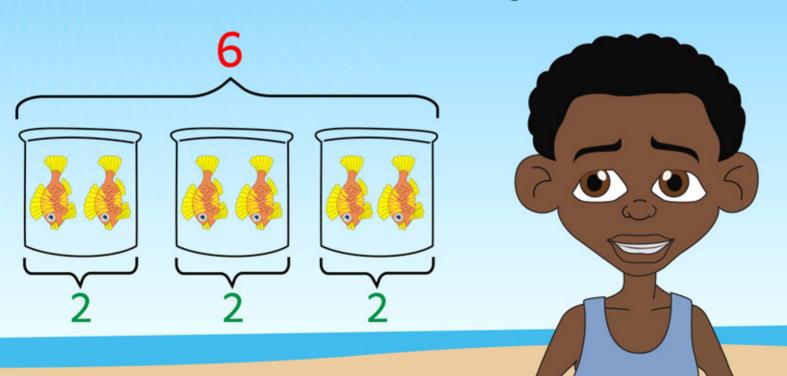




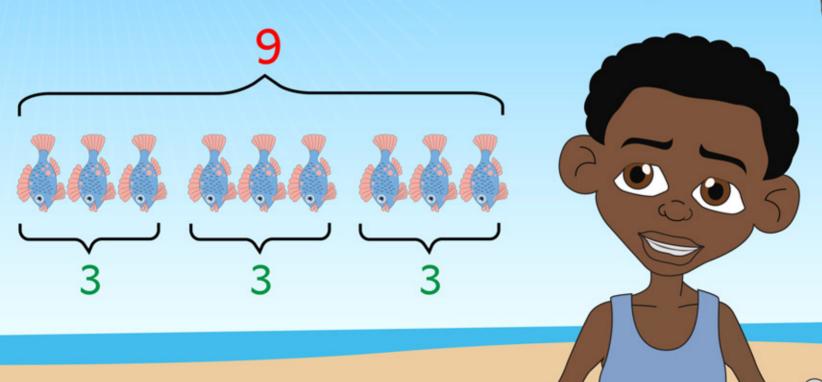


"So now we're left with six fish.

Between the three of us, we each get two fish.

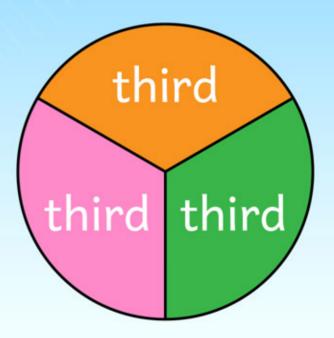


If we had stayed out longer and caught nine fish, we would have gotten three each, is that right?"

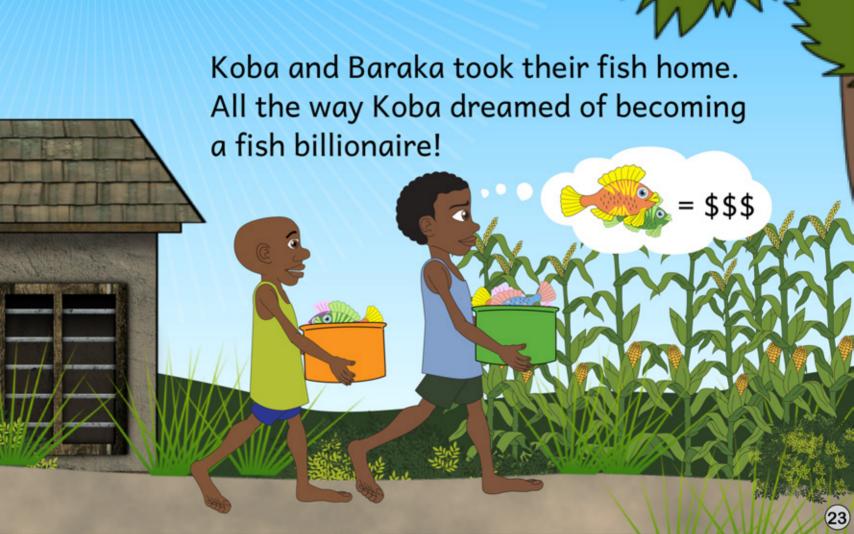


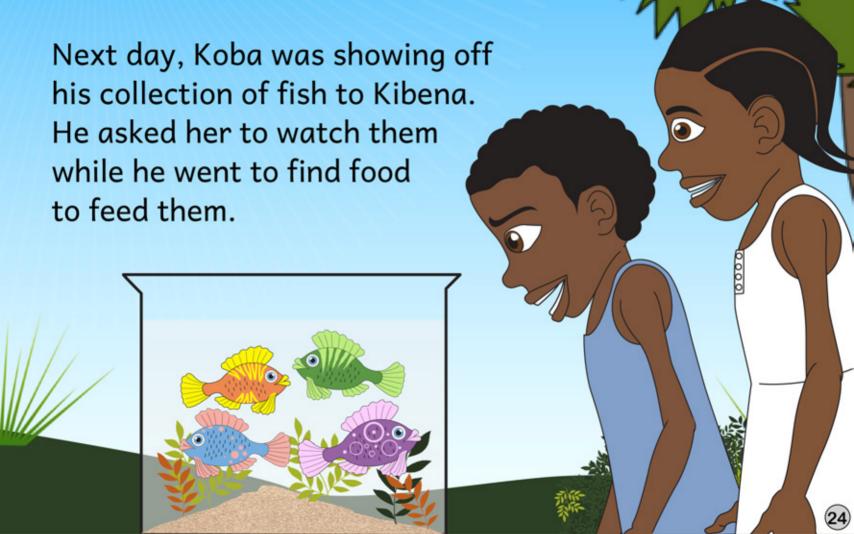


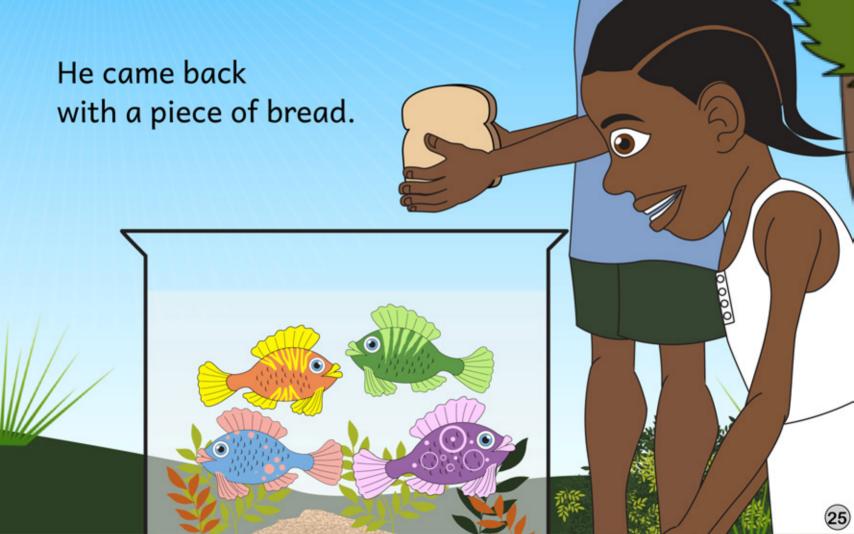
"Right! We each get a third of the fish, because anything divided into three parts is called a third.











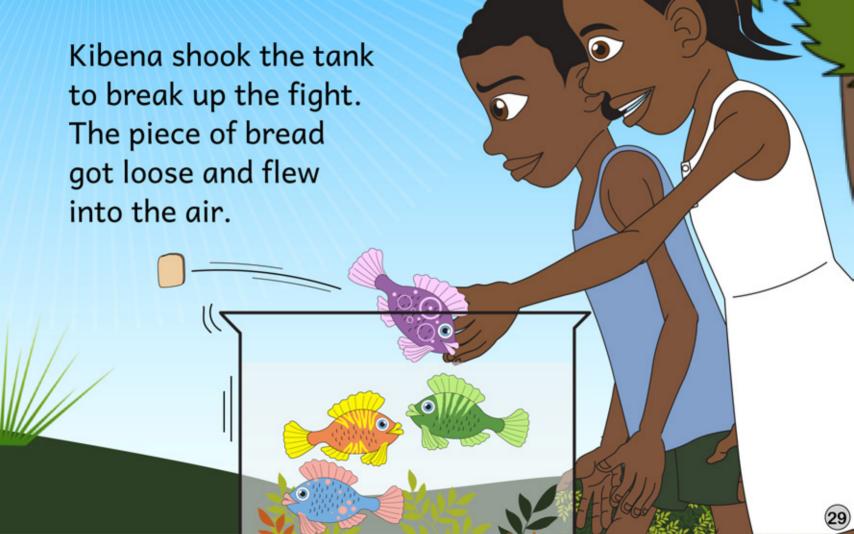


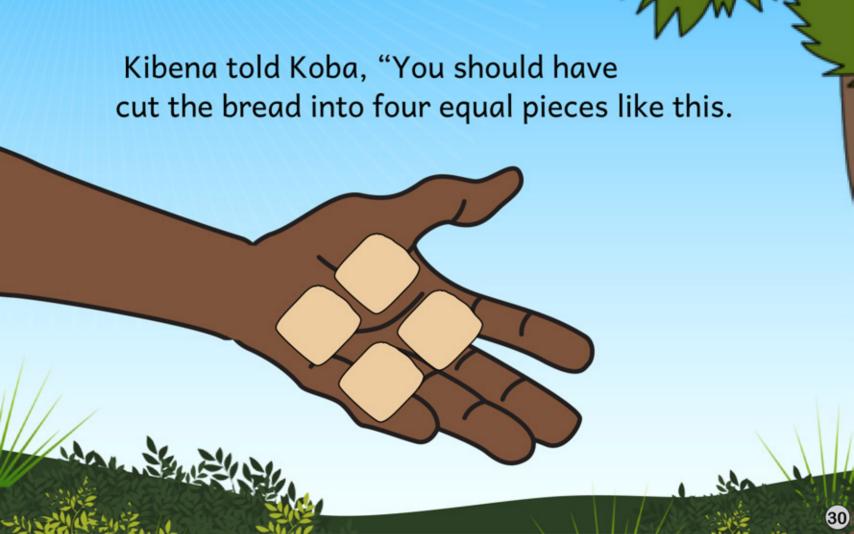


He didn't listen and threw it in anyway.

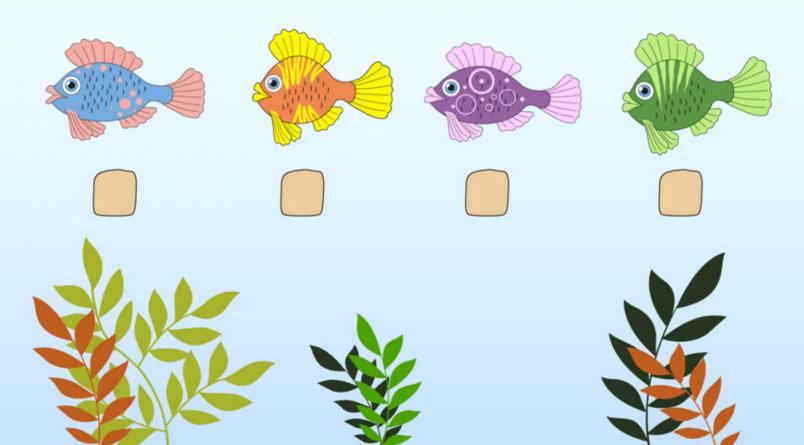
The fish fought over it, almost tipping the tank over.

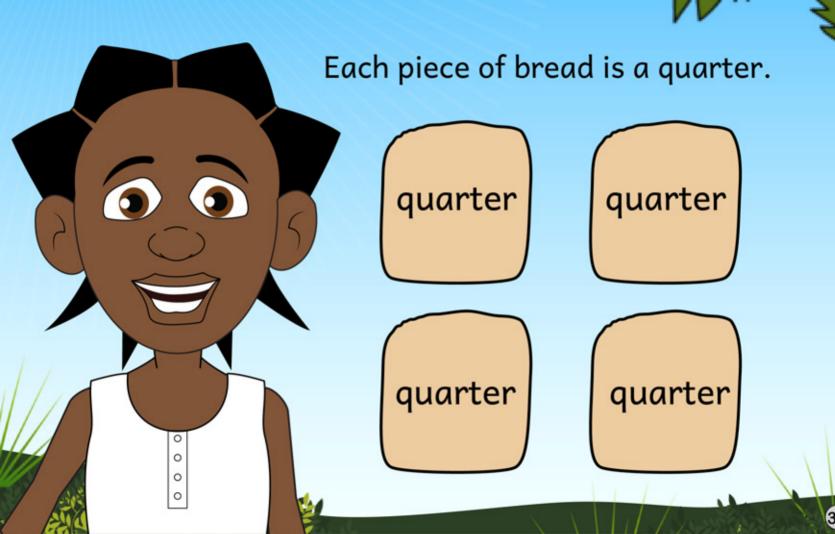






## Your four fish would have gotten equal amounts.







It is one out of four pieces, or one fourth, or a quarter.

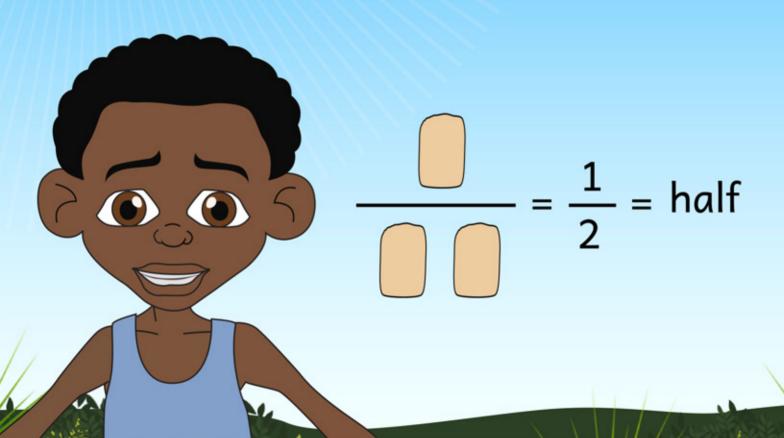
Each fish gets one quarter."

$$\frac{1}{4}$$
 = quarter

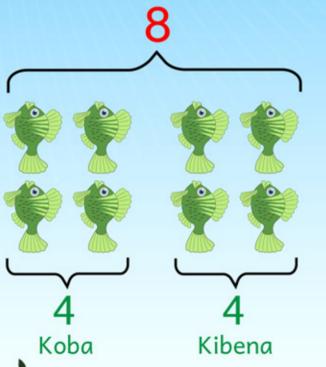
"Good thinking, Kibena! So if I only have two fish, I would cut the bread into two pieces.



That would be one over two, which is a half.

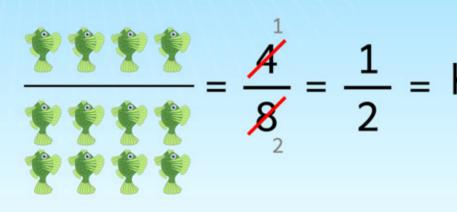


And If I had eight fish and wanted to give you half of my fish...



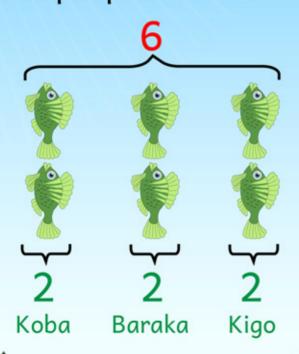


...You would get four out of eight, which simplifies to one over two which is a half.

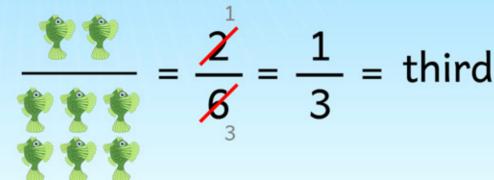




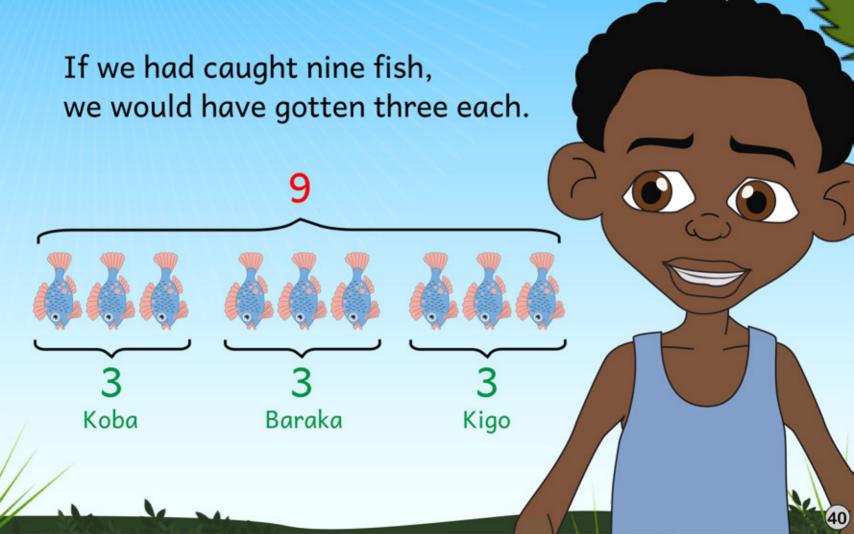
By the way I already know about thirds. Yesterday we divided the fish we caught between three people.



We each got two out of six fish, or two sixths which simplifies to one over three, or a third.







Three ninths simplifies to one over three, which is a third."

