Transcript of video The Division Meaning for Fractions

http://topdrawer.aamt.edu.au/Fractions/Big-ideas/Fractions-as-division/Using-the-division-model

The division meaning for fractions is perhaps best illustrated through a sharing division problem, such as 'share three pizzas equally among four people'.

(Explaining ways of fraction division)

One way to do this is to first cut each pizza into quarters.

(Three pizzas cut into four equal pieces each)

Share the first pizza out, giving one-quarter to each person.

(Distributing one-quarter of first pizza to each person)

Then, share out the second pizza, and finally share out the third pizza.

(One-quarters of second and third pizzas shared among four persons)

Each person receives three pieces, and each of the pieces is one-quarter of a pizza.

(Three equal quarters distributed among four persons)

So three pizzas shared among four people results in three-quarters each.

(Three equal quarters distributed among four persons)

Three divided by four equals three-quarters.

(Mathematically showing division of three-quarters)