

Using Fractions for Quantities Greater Than One

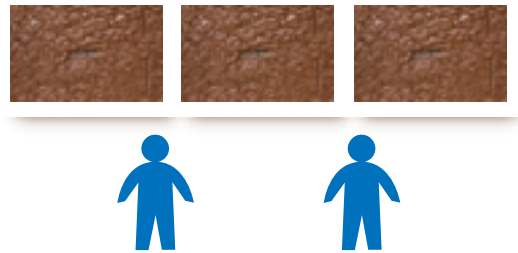
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Math Words

- mixed number

Edwin and Pilar solved a problem about people and brownies. Each person's share is greater than one.

Two people shared 3 brownies equally.
How much does each person get?

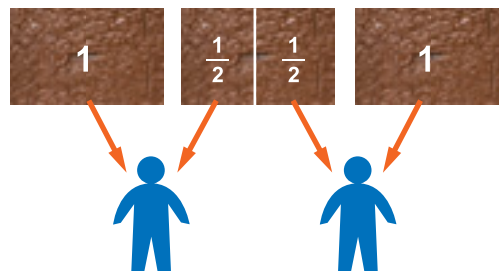


Edwin's Solution:

First I gave one whole brownie to each person.

There was one brownie left. I split it into 2 equal pieces and gave each person one-half.

Each person gets $1\frac{1}{2}$.



A mixed number has a whole number part and a fractional part.

whole number $\rightarrow 1\frac{1}{2} \leftarrow$ fraction
one and one-half

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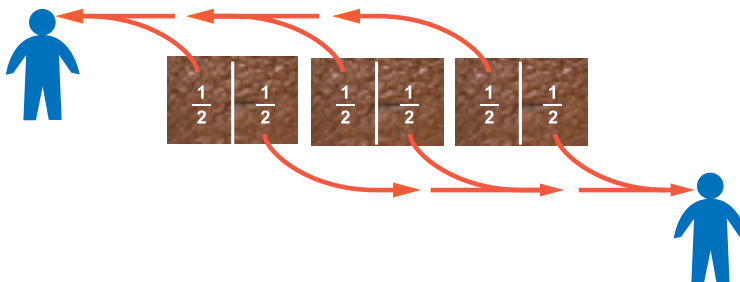
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Pilar's Solution:

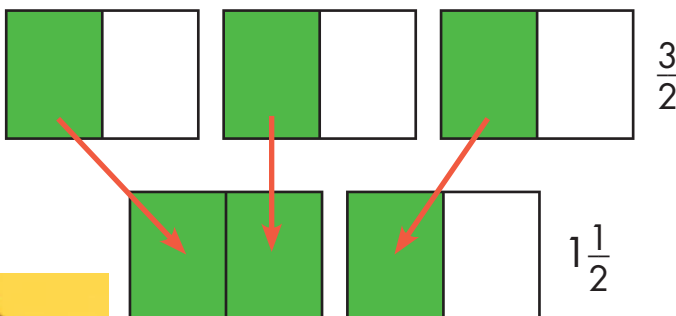
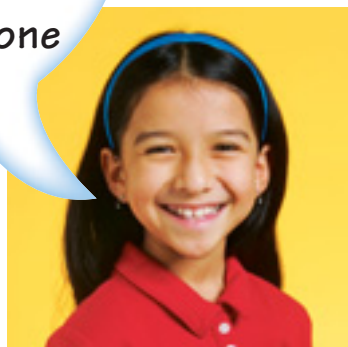
I cut all the brownies into 2 equal pieces. Each person gets 1 piece, or half, of each brownie.

Each person gets $\frac{3}{2}$.

$$\frac{1}{2} + \frac{1}{2} + \frac{1}{2} = \frac{3}{2}$$



My answer is really just the same as Edwin's answer. Two halves from the three halves is one whole. Then there is one more half.



$$\frac{3}{2} = 1\frac{1}{2}$$



If 3 people shared 4 brownies equally, how much would each person get?

If 3 people shared 5 brownies equally, how much would each person get?