

Alright, let's imagine that we have 6 yummy cookies. If we want to share these cookies evenly between 2 friends, we need to divide them equally. Each friend will get 3 cookies, but there will be a half cookie left. This half cookie is like the '0.5' in 6.5.

To write 6.5 as a mixed number, we need to think about how many whole items we have first. In this case, we have 6 whole cookies. The 0.5 part represents the half cookie left over. In a mixed number, we can combine the whole number and fractional part. So, 6.5 in a mixed number is written as $6 \frac{1}{2}$.

To understand this concept better, let's take another example. If we have 4 full glasses of water and we need to add half a glass more, that would be $4 \frac{1}{2}$ glasses of water in total. This is similar to writing 4.5 as a mixed number.

So, in conclusion, when we have a whole number and a fraction together like $6 \frac{1}{2}$, it is known as a mixed number. It helps us represent numbers that are made up of both whole and fractional parts, making it easier to understand and work with them.

Remember, when converting decimal numbers to mixed numbers, think about how many whole items you have first, then add the fractional part as a fraction. Practice this concept with different examples to become more familiar with writing decimal numbers as mixed numbers.