

Sure! Let's break it down step by step to understand how to convert a fraction like  $\frac{1}{4}$  into a decimal number. When we say 'Write  $\frac{1}{4}$  as a decimal number,' we are essentially asking how to express the fraction  $\frac{1}{4}$  in the form of a decimal, which is a number with a decimal point.

To do this, we divide the numerator (which is the top number of the fraction, in this case, 1) by the denominator (which is the bottom number of the fraction, in this case, 4).

When you divide 1 by 4, the answer is 0.25. This means that  $\frac{1}{4}$  as a decimal number is 0.25. This is because 1 divided by 4 equals 0.25.

In simpler terms, if you have a whole pizza (1) and you divide it into 4 equal parts, each part represents 0.25 of the pizza.

Therefore, the fraction  $\frac{1}{4}$  is the same as 0.25 when written as a decimal number.