

To write the number -0.625 as a fraction, let's break it down into smaller, simpler parts. First, let's look at what -0.625 really means. The minus sign indicates that this number is less than zero, and the decimal point separates the whole number part from the decimal part. In this case, we have -0 as the whole number part and .625 as the decimal part.

Next, let's convert the decimal part .625 into a fraction. The decimal is read as six hundred twenty-five thousandths. To represent this as a fraction, we place the decimal part over a power of 10. Since .625 has three decimal places, we put 625 over 1000 (because 1000 is 10 raised to the power of 3). This gives us $\frac{625}{1000}$.

Now, we simplify the fraction by finding the greatest common factor (GCF) of 625 and 1000. The GCF of 625 and 1000 is 125. By dividing both the numerator and denominator by 125, we get the simplified fraction $\frac{5}{8}$. So, -0.625 as a fraction is $-\frac{5}{8}$.

In conclusion, -0.625 can be expressed as the fraction $-\frac{5}{8}$, where the negative sign signifies the number is less than zero, and the fraction represents the ratio of -5 parts out of 8 equal parts. This process can be applied to convert any decimal number into a fraction, making math more understandable and fun!