

Sure thing! Let's make understanding how to write $-3 \frac{2}{3}$ as a decimal an adventure. Imagine you have a yummy pizza pie that you are going to share with your friends. The whole pizza represents the number 1. When we cut it into 3 equal slices, each slice represents $\frac{1}{3}$ of the pizza. If we eat 2 slices and then take away another $\frac{2}{3}$ of a slice, we have removed a total of $2 \frac{2}{3}$ slices from the pizza.

To write $-3 \frac{2}{3}$ as a decimal, we first need to understand that the negative sign (-) means we are subtracting this quantity. So, we start with 0 (our whole pizza) and then subtract 3 from it, leaving us with -3 whole slices. Next, we subtract $\frac{2}{3}$ from what we have left. To convert the $\frac{2}{3}$ to a decimal, we divide 2 by 3. This gives us 0.666666... which can be rounded to 0.67.

Therefore, $-3 \frac{2}{3}$ as a decimal is -3.67. Think of it like your pizza situation where you end up with 3 whole slices and a bit of another slice missing. You can say it as negative three point sixty-seven or -3.67. And that's how you write $-3 \frac{2}{3}$ as a decimal!

Remember, math is like solving puzzles, and by breaking down each step, you can easily convert fractions to decimals, just like slicing up a pizza!