

How to change a fraction into a decimal

Example

Change the fraction $\frac{1}{3}$ into a decimal.

Solving

You have to divide 1 by 3.

1 is smaller than 3, so 0 goes to 1. 0 times

After the first 0, we put .dot., to separate decimals from the whole part

We are multiplying 0 by 3, and the result we are putting under 1 digit, after that we'll subtract 0 from 1. The result will be 1.

After that, we are adding to result(after equal) separating dot. When we are putting dot at result, same time, we are putting a 0 near 1. After that we'll divide 3 by 10. The result will be 3. We are multiplying again, 3x3, and the 9 we are putting under 10-and then subtracting.

1.0(0.33...333...)

0-

10-

0-

10-
