

DECIMALS AS EQUIVALENT FRACTIONS

What Are Decimals as Equivalent Fractions?

- This shows the **relationship** between decimals and fractions.
- Fractions can always be written as decimals.
- Any number written in the form a/b can be converted to a decimal by dividing a by b .
- When **converting** decimals to fractions, you have to pay attention to the decimal places. For example, 0.6 is 6 tenths. This means we have 6



How to convert

1. Read the decimal and identify the decimal ending.
2. Place the decimal ending as a fraction. For example, 0.6 is 6 tenths. The number 6 is the numerator of the fraction. The number 10 is the denominator, in the denominator.
3. Look at the ending of the decimal as read in step 1. Take the 'ths' off the end and place the numeric value of the number you have in the denominator.
4. Simplify the fraction.

Example: $0.45 = \frac{45}{100} = \frac{9}{20}$

Try This!

- 0.9
- 0.75
- 0.25
- 0.3
- 0.6