Decimals as fractions

☞ Decimals and Fractions are related. Just as fractions have equivalent fractions, decimals also have equivalent fractions.

Place value is very important when we are converting decimals into fractions.

Converting Decimals into Fractions:-

(i) $0.16 = \dfrac{0.16}{100} = \dfrac{16}{100} = \dfrac{4}{25}$

(ii) $0.9 = \dfrac{0.9}{10} = \dfrac{9}{10}$

(iii) $0.212 = \dfrac{0.212}{1000} = \dfrac{212}{1000} = \dfrac{106}{500} = \dfrac{53}{250}$

(iv) $1.25 = \dfrac{1.25}{100} = \dfrac{125}{100} = \dfrac{5}{4}$