

# Decimal fractions

$\{x^{-1}(A)$

(.) into  
Digit

(i)  $3.75 = \frac{75}{100} = \frac{15}{20} = \frac{3}{4}$

(ii)  $0.5 = \frac{5}{10} = \frac{1}{2}$

(iii)  $2.04 = \frac{4}{100} = \frac{1}{25}$

(iv)  $0.65 = \frac{65}{100} = \frac{13}{20}$

(v)  $2.405 = \frac{405}{1000} = \frac{81}{200}$

(vi)  $0.085 = \frac{85}{1000} = \frac{17}{200}$

(vii)  $8.025 = \frac{25}{1000} = \frac{1}{40}$

~~(i)  $\frac{24}{5} = \frac{24 \times 20}{5 \times 20} = \frac{480}{100}$~~

(ii)  $\frac{79}{100} = 0.79$

$\frac{2+4}{5} = \frac{4 \times 20}{5 \times 20} = \frac{80}{100}$

$2 + 0.80 = 2.80$

(iv)  $\frac{7543}{10^4}$

(iii)  $\frac{37}{10,000} = 0.00037$

$10^4 = 10 \times 10 \times 10 \times 10 = 10,000$

$\frac{7543}{10,000} = 0.7543$

(v)  $\frac{3}{4} = \frac{3 \times 25}{4 \times 25} = \frac{75}{100} = 0.75$

(vi)  $\frac{93}{5}$

(vii)  $\frac{85}{8} = \frac{5 \times 25}{8 \times 25} = \frac{625}{1000}$

$\frac{3}{5} = \frac{3 \times 2}{5 \times 2} = \frac{6}{10} = 0.6 + 9 = 9.0$

$= 0.625 + 8 = 8.625$

(viii)  $\frac{57}{8}$

$\frac{7}{8} = \frac{7 \times 125}{8 \times 125} = \frac{875}{1000}$

$= 0.875 + 5 = 5.875$

3. (i) 10000 (v) 100

(ii) 10000 (vi) 1000000

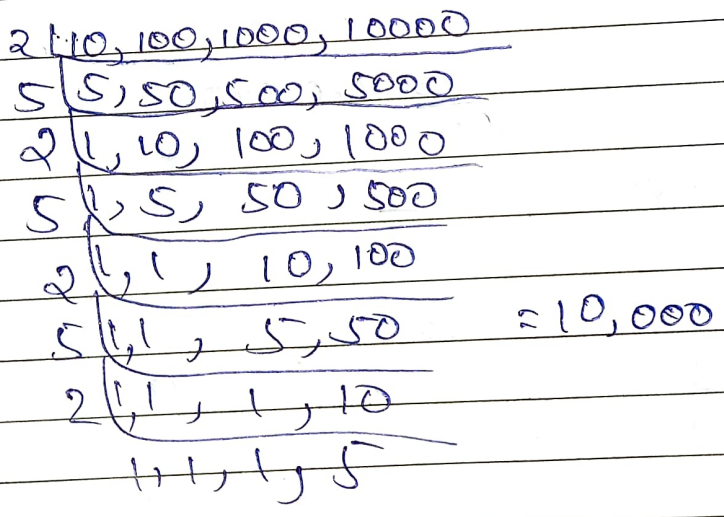
(iii) 100

(iv) 10

4. (i) Zeropoint four, Zeropoint Nine, Zeropoint One  
 (ii) One point Nine, Four point four, Seven point four  
 (iii) <sup>000</sup>Zero point Zero Two, Zeropoint five Six, Thirteen point  
 Zero Six.  
 (iv) Zero point Zero Zero Five, Zeropoint Two Zero Seven,  
~~One One~~ One Hundred One point five One Nine  
 (v) Zero point Eight, Zeropoint Zero Zero Eight, Zero point  
 Zero Zero Eight, Zero point Zero Zero Zero Eight.  
 (vi) Two Hundred Fifty Six point One, Ten point Two Two,  
 Zeropoint Six Three four.

~~5.000~~  
 5.0) 0.5, 3.62, 43.981, 232.0037

$$= \frac{5}{10}, \frac{362}{100}, \frac{43981}{1000}, \frac{2320037}{10000}$$



$$\frac{5}{10} = \frac{5 \times 1000}{10 \times 1000} = \frac{5000}{10000}$$

$$\frac{362}{100} = \frac{362 \times 100}{100 \times 100} = \frac{36200}{10000}$$

$$\frac{43981}{1000} = \frac{43981 \times 10}{1000 \times 10} = \frac{439810}{10000}$$

$$\frac{2320037}{10000} = \frac{2320037 \times 1}{10000 \times 1} = \frac{2320037}{10000}$$