

Decimal fractions

Ex-4(A)

1(i) 3.75 $\frac{75}{100}$

$$\frac{375}{100} = \frac{15}{4}$$

(ii) 0.5

$$\frac{5}{10} = \frac{1}{2}$$

(iii) 2.04

$$\begin{array}{r} 204 \\ 100 \\ \hline 50 \\ 25 \end{array}$$

(iv) 0.65 $\frac{13}{20}$

$$\frac{65}{100} = \frac{13}{20}$$

(v) 2.405 $\frac{481}{200}$

$$\frac{2405}{1000} = \frac{481}{200}$$

(vi) 0.085

$$\frac{85}{1000} = \frac{17}{200}$$

(vii) 8.025 $\frac{33}{40}$

$$\frac{8025}{1000} = \frac{1605}{200} = \frac{33}{40}$$

2(i) $2\frac{4}{5}$ ~~$\frac{4}{5}$~~

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

$$= 2 + 0.80 = 2.80$$

(ii) 79 ~~0.79~~ 0.79

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

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

$$\frac{7543}{10,000} = 0.07543$$

(iii) $\frac{37}{10,000} = 0.0037$

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

(vi) $9\frac{3}{5}$

$$\frac{3}{5} = \frac{3 \times 2}{5 \times 2} = \frac{6}{10} = 0.6 + 9 = 9.6$$

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

$$= 0.625 + 8 = 8.625$$

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

$$\frac{7}{8} = \frac{7 \times 25}{8 \times 25} = \frac{875}{1000}$$

$$= 0.875 + 5 = 5.875$$

3.(i) 10000 (v) 100

(ii) 100000 (vi) 1000000

(iii) 100

(iv) 10

4. (i) Zeropoint Four, Zero point Nine, Zeropoint One
 (ii) One point Nine, Four point Four, Seven point Four
 (iii) ⁰⁰⁰Zero point Zero Two, Zeropoint Five Six, Thirteen
 Zero Six.
 (iv) Zero point Zero Zero Five, Zeropoint Two Zero Seven,
~~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
 Zeropoint Six Three four.

~~5. (i) 0.5~~

5. (i) 0.5, 3.62, 43.981, 232.0037

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

$$2 \overline{) 10, 100, 1000, 10000}$$

$$5 \overline{) 5, 50, 500, 5000}$$

$$2 \overline{) 1, 10, 100, 1000}$$

$$5 \overline{) 1, 5, 50, 500}$$

$$2 \overline{) 1, 1, 10, 100}$$

$$5 \overline{) 1, 1, 5, 50} = 10,000$$

$$2 \overline{) 1, 1, 10}$$

$$11, 1, 5$$

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

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

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

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