

Ex - 34

1. (a)  $\frac{1}{5} = 1 \div 5$

$$\begin{array}{r} 0.2 \\ 5 \overline{) 10} \\ \underline{-10} \\ \times \end{array}$$

$\therefore \frac{1}{5} = 0.2$

(b)  $\frac{1}{2} = 1 \div 2$

$$\begin{array}{r} 0.5 \\ 2 \overline{) 10} \\ \underline{-10} \\ \times \end{array}$$

$\therefore \frac{1}{2} = 0.5$

(c)  $\frac{1}{8} = 1 \div 8$

$$\begin{array}{r} 0.125 \\ 8 \overline{) 10} \\ \underline{-8} \\ 20 \\ \underline{-16} \\ 40 \\ \underline{-40} \\ \times \end{array}$$

$\therefore \frac{1}{8} = 0.125$

(d)  $\frac{1}{16} = 1 \div 16$

$$\begin{array}{r} 0.0625 \\ 16 \overline{) 100} \\ \underline{-96} \\ 40 \\ \underline{-32} \\ 80 \\ \underline{-80} \\ \times \end{array}$$

$\therefore \frac{1}{16} = 0.0625$

(e)  $\frac{1}{125} = 1 \div 125$

$$\begin{array}{r} 0.008 \\ 125 \overline{) 1000} \\ \underline{-1000} \\ \times \end{array}$$

$\therefore \frac{1}{125} = 0.008$

2. (a)  $\frac{3}{4} = 3 \div 4$

$$\begin{array}{r} 0.75 \\ 4 \overline{) 30} \\ \underline{-28} \\ 20 \\ \underline{-20} \\ \times \end{array}$$

$\therefore \frac{3}{4} = 0.75$

(b)  $\frac{7}{8} = 7 \div 8$

$$\begin{array}{r} 0.875 \\ 8 \overline{) 70} \\ \underline{-64} \\ 60 \\ \underline{-56} \\ 40 \\ \underline{-40} \\ \times \end{array}$$

$\therefore \frac{7}{8} = 0.875$

(c)  $\frac{17}{20} = 17 \div 20$

$$\begin{array}{r} 0.85 \\ 20 \overline{) 170} \\ \underline{-160} \\ 100 \\ \underline{-100} \\ \times \end{array}$$

$\therefore \frac{17}{20} = 0.85$

(d)  $\frac{31}{40} = 31 \div 40$

$$\begin{array}{r} 0.775 \\ 40 \overline{) 310} \\ \underline{-280} \\ 300 \\ \underline{-280} \\ 200 \\ \underline{-200} \\ \times \end{array}$$

$\therefore \frac{31}{40} = 0.775$

(e)  $\frac{26}{125} = 26 \div 125$

$$\begin{array}{r} 0.208 \\ 125 \overline{) 260} \\ \underline{-250} \\ 1000 \\ \underline{-1000} \\ \times \end{array}$$

$\therefore \frac{26}{125} = 0.208$

$$3. (a) 2\frac{2}{5} = \frac{12}{5} = 12 \div 5$$

$$\begin{array}{r} 2.4 \\ 5 \overline{) 12} \\ \underline{-10} \\ 20 \\ \underline{-20} \\ \times \end{array}$$

$$\therefore 2\frac{2}{5} = 2.4$$

$$(b) 7\frac{1}{4} = \frac{29}{4} = 29 \div 4$$

$$\begin{array}{r} 7.25 \\ 4 \overline{) 29} \\ \underline{-28} \\ 10 \\ \underline{-8} \\ 20 \\ \underline{-20} \\ \times \end{array}$$

$$\therefore 7\frac{1}{4} = 7.25$$

$$(c) 1\frac{1}{25} = \frac{26}{25} = 26 \div 25$$

$$\begin{array}{r} 1.04 \\ 25 \overline{) 26} \\ \underline{-25} \\ 100 \\ \underline{-100} \\ \times \end{array}$$

$$\therefore 1\frac{1}{25} = 1.04$$

$$(d) 7\frac{7}{8} = \frac{63}{8} = 63 \div 8$$

$$\begin{array}{r} 7.875 \\ 8 \overline{) 63} \\ \underline{-56} \\ 70 \\ \underline{-64} \\ 60 \\ \underline{-56} \\ 40 \\ \underline{-40} \\ \times \end{array}$$

$$\therefore 7\frac{7}{8} = 7.875$$

$$(e) 10\frac{1}{20} = \frac{201}{20} = 201 \div 20$$

$$\begin{array}{r} 10.05 \\ 20 \overline{) 201} \\ \underline{-20} \\ \cancel{0} 100 \\ \underline{-100} \\ \times \end{array}$$

$$\therefore 10\frac{1}{20} = 10.05$$