



Exercise 1B

Question 2:

$$(i) \frac{5}{8}$$

$$\begin{array}{r} 0.625 \\ 8 \overline{) 5.000} \\ \underline{48} \\ 20 \\ \underline{16} \\ 40 \\ \underline{40} \\ 0 \end{array}$$

$$\therefore \frac{5}{8} = 0.625$$

$$(ii) \frac{9}{16}$$

$$\begin{array}{r} 0.5625 \\ 16 \overline{) 9.0000} \\ \underline{80} \\ 100 \\ \underline{96} \\ 40 \\ \underline{32} \\ 80 \\ \underline{80} \\ 0 \end{array}$$

$$\therefore \frac{9}{16} = 0.5625$$

$$(iii) \frac{7}{25}$$

$$\begin{array}{r} 0.28 \\ 25 \overline{) 7.00} \\ \underline{50} \\ 200 \\ \underline{200} \\ 0 \end{array}$$

$$\therefore \frac{7}{25} = 0.28$$

$$(iv) \frac{11}{24}$$

$$\begin{array}{r} 0.45833 \\ 24 \overline{) 11.00000} \\ \underline{96} \\ 140 \\ \underline{120} \\ 200 \\ \underline{192} \\ 80 \\ \underline{72} \\ 80 \\ \underline{72} \\ 8 \end{array}$$

$$\therefore \frac{11}{24} = 0.458\bar{3}$$

$$(v) 2\frac{5}{12} = \frac{29}{12}$$

$$\begin{array}{r} 2.4166 \\ 12 \overline{) 29.0000} \\ \underline{24} \\ 50 \\ \underline{48} \\ 20 \\ \underline{12} \\ 80 \\ \underline{72} \\ 80 \\ \underline{72} \\ 8 \end{array}$$

$$\therefore 2\frac{5}{12} = 2.41\bar{6}$$

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