Exercise 3D

(vii) We have:

$$0.765 \div 9$$

$$\begin{array}{r|l} 9 & 0.765 \\ -0 & \\ \hline 076 & \\ -72 & \\ \hline 45 & \\ -45 & \\ \hline \times & \end{array} \quad 0.085$$

$\therefore 0.765 \div 9 = 0.085$

(viii) We have:

$$0.768 \div 16$$

$$\begin{array}{r|l} 16 & 0.768 \\ -0 & \\ \hline \times 76 & \\ -64 & \\ \hline 128 & \\ -128 & \\ \hline \times & \end{array} \quad 0.048$$

$\therefore 0.768 \div 16 = 0.048$

(ix) We have:

$$0.175 \div 25$$

$$= \frac{0.175}{25}$$

$$= \frac{0.175 \times 1000}{25 \times 1000}$$

$$= \frac{175}{25 \times 1000}$$

$$= \frac{7}{1000}$$

$$= 0.007$$

(x) We have:

0.3322 ÷ 11

$$
\begin{array}{r|l}
11 & 0.3322 \;(\; 0.0302 \\
 & -0 \\
 & \hline
 & \times 3 \\
 & -0 \\
 & \hline
 & 33 \\
 & -33 \\
 & \hline
 & \times 2 \\
 & -0 \\
 & \hline
 & 22 \\
 & -22 \\
 & \hline
 & \times
\end{array}
$$

∴ 0.3322 ÷ 11 = 0.0302

(xi) We have:

2.13 ÷ 15

$$
\begin{array}{r|l}
15 & 2.130 \;\leftarrow \text{one zero annexed} \\
 & 0.142 \\
 & -0 \\
 & \hline
 & 21 \\
 & -15 \\
 & \hline
 & 63 \\
 & -60 \\
 & \hline
 & 30 \\
 & -30 \\
 & \hline
 & \times
\end{array}
$$

∴ 2.13 ÷ 15 = 0.142

(xii) We have:

6.54 ÷ 12

********** END **********