

Exercise - 7

1. $322 \times 3773 \div 343$

$= 1214906 \div 343$

$= 3542$

$$\begin{array}{r} 322 \\ \times 3773 \\ \hline 966 \\ 2254 \times \\ 2254 \times \\ + 966 \times \\ \hline 1214906 \end{array}$$

$$\begin{array}{r} 343 \overline{)1214906} (3542 \\ -1029 \\ \hline 1859 \\ -1715 \\ \hline 1440 \\ -1372 \\ \hline 686 \\ -686 \\ \hline \times \end{array}$$

2. $4875 \div 195 \times 480$

$= 25 \times 480$

$= 12000$

$$\begin{array}{r} 195 \overline{)4875} (25 \\ -390 \\ \hline 975 \\ -975 \\ \hline \times \end{array}$$

$$\begin{array}{r} .25 \\ \times 480 \\ \hline 00 \\ 200 \\ +100 \\ \hline 12000 \end{array}$$

3. $4900 \div 350 \times 145$

$= 14 \times 145$

$= 2030$

$$\begin{array}{r} 350 \overline{)4900} (14 \\ -350 \\ \hline 1400 \\ -1400 \\ \hline \times \end{array}$$

$$\begin{array}{r} 14 \\ \times 145 \\ \hline 70 \\ 56 \\ +14 \\ \hline 2030 \end{array}$$

4. $220 + 24 \text{ of } 60 - 1089 \div 99$

$(24 \text{ of } 60 = 24 \times 60 = 1440)$

$= 220 + 1440 - 1089 \div 99$

$= 220 + 1440 - 11$

$= 1660 - 11 = 1649$

$$\begin{array}{r} 99 \overline{)1089} (11 \\ -99 \\ \hline 99 \\ -99 \\ \hline \times \end{array}$$

$$\begin{array}{r} .220 \\ +1440 \\ \hline 1660 \\ \textcircled{5} \textcircled{10} \\ -11 \\ \hline 1649 \end{array}$$

5. $3960 \div 264 + 5742 \times 30$

$= 15 + 172260$

$= 172275$

$$\begin{array}{r} 264 \overline{)3960} (15 \\ -264 \\ \hline 1320 \\ -1320 \\ \hline \times \end{array}$$

$$\begin{array}{r} 5742 \\ \times 30 \\ \hline 0000 \\ +17226 \\ \hline 172260 \end{array}$$

$$\begin{array}{r} 172260 \\ + 15 \\ \hline 172275 \end{array}$$

$$6. \quad 3125 \div 125 - 2055 \div 411 - 20$$

$$= 25 - 5 - 20$$

$$= 20 - 20 = 0$$

$$\begin{array}{r} 125 \overline{) 3125} (25 \\ \underline{-250} \\ 625 \\ \underline{-625} \\ \hline \end{array}$$

$$\begin{array}{r} 411 \overline{) 2055} (5 \\ \underline{-2055} \\ \hline \end{array}$$