

Exercise-5.3

Q1. Find the quotient and the remainder by long division .

A. 4 8 ÷ 8

SOL: 8) 4 8 (6
 - 4 8
 0 0

B. 7 0 ÷ 7

SOL: 7) 7 0 (1 0
 - 7 0
 0 0

C. 1 8 ÷ 5

SOL: 5) 1 8 (3
 - 1 5
 0 3

D. 1 6 ÷ 3

SOL: 3) 1 6 (5
 - 1 5
 0 1

Q2. Divide:

A. 2) 1 7 8 (8 9
 - 1 6
 0 1 8
 - 1 8
 0 0

B. 6) 4 6 3 (7 7
 - 4 2
 0 4 3

$$- 42$$

$$\underline{01}$$

C.
$$\begin{array}{r} 4 \overline{) 365} (91 \\ - 36 \\ \hline 005 \\ - 4 \\ \hline \underline{1} \end{array}$$

D.
$$\begin{array}{r} 5 \overline{) 462} (92 \\ - 45 \\ \hline 012 \\ - 10 \\ \hline \underline{02} \end{array}$$

E.
$$\begin{array}{r} 5 \overline{) 344} (68 \\ - 30 \\ \hline 044 \\ - 40 \\ \hline \underline{04} \end{array}$$

F.
$$\begin{array}{r} 8 \overline{) 679} (84 \\ - 64 \\ \hline 039 \\ - 32 \\ \hline \underline{07} \end{array}$$

Q3. Divide:

A. $536 \div 3$

SOL: $3 \overline{) 536} (178$

$$\begin{array}{r} - 3 \\ 23 \\ - 21 \\ \hline 026 \\ - 24 \\ \hline \underline{02} \end{array}$$

B. $615 \div 2$

SOL: $2 \overline{) 615} (307$

$$\begin{array}{r} - 6 \\ 01 \end{array}$$

$$\begin{array}{r}
 - 0 \\
 15 \\
 \underline{- 14} \\
 01
 \end{array}$$

C. $834 \div 4$

SOL: $4)834(208$

$$\begin{array}{r}
 \underline{- 8} \\
 03 \\
 \underline{- 0} \\
 34 \\
 \underline{- 32} \\
 02
 \end{array}$$

D. $500 \div 5$

SOL: $5)500(100$

$$\begin{array}{r}
 \underline{- 5} \\
 00 \\
 \underline{- 0} \\
 00 \\
 \underline{\quad 0} \\
 0
 \end{array}$$