

5.6.2020

CHAPTER- 2
LONG DIVISION

Example: Divide 31 by 4

$$\begin{array}{r}
 7 \longrightarrow \text{Quotient} \\
 \text{Divisor} \rightarrow 4 \overline{) 31} \longrightarrow \text{Dividend} \\
 \underline{28} \\
 3 \longrightarrow \text{Remainder}
 \end{array}$$

The number which is divided is called the **DIVIDEND**.

In the example 31 is the dividend.

The number which divides is called the **DIVISOR**.
In the example 4 is the divisor.

The answer is called the **QUOTIENT**.
In the example 7 is the quotient.

The number which is left out is called the **REMAINDER**.
In the example 3 is the remainder.

DIVIDING BY NUMBERS ENDING IN ZERO

Q.A. Work out:

1) $420 \div 30$

$$\begin{array}{r}
 14 \\
 30 \overline{) 420} \\
 \underline{30} \\
 12 \\
 \underline{12} \\
 0 \\
 \hline
 \end{array}$$

Ans:- 14

2) $725 \div 30$

$$\begin{array}{r}
 24 \\
 30 \overline{) 725} \\
 \underline{60} \\
 12 \\
 \underline{12} \\
 5 \\
 \hline
 \end{array}$$

Ans:- 24, R-5

6) $3400 \div 40$

$$\begin{array}{r}
 85 \\
 40 \overline{) 3400} \\
 \underline{320} \\
 20 \\
 \underline{20} \\
 0 \\
 \hline
 \end{array}$$

Ans:- 85

7) $2847 \div 60$

$$\begin{array}{r}
 47 \\
 60 \overline{) 2847} \\
 \underline{240} \\
 44 \\
 \underline{42} \\
 27 \\
 \hline
 \end{array}$$

Ans:- 47, R-27

$$8) \quad 3857 \div 60$$

$$\begin{array}{r} 64 \\ \hline 60 \overline{) 3857} \\ \underline{36} \\ 25 \\ \underline{24} \\ 17 \end{array}$$

Ans: - 64, R - 17

$$9) \quad 3867 \div 90$$

$$\begin{array}{r} 42 \\ \hline 90 \overline{) 3867} \\ \underline{36} \\ 26 \\ \underline{18} \\ 87 \end{array}$$

Ans: - 42, R - 87