



Operations on Whole Numbers Ex 4.4 Q4

Answer :

(i) $7777 \div 58 = 134$

$$\begin{array}{r} 134 \\ 58 \overline{) 7772} \\ \underline{-58} \downarrow \\ 197 \downarrow \\ \underline{-174} \downarrow \\ 232 \\ \underline{-232} \\ 0 \end{array}$$

Verification: [Dividend = Divisor \times Quotient + Remainder]

$$7772 = 58 \times 134 + 0$$

$$7772 = 7772$$

$$\text{LHS} = \text{RHS}$$

(ii) $6906 \div 35$ gives quotient = 197 and remainder = 11.

$$\begin{array}{r}
 197 \\
 35 \overline{) 6906} \\
 \underline{- 35} \downarrow \\
 340 \downarrow \\
 \underline{- 315} \downarrow \\
 256 \\
 \underline{- 245} \\
 11
 \end{array}$$

Verification: [Dividend = Divisor \times Quotient + Remainder]

$$6906 = 35 \times 197 + 11$$

$$6906 = 6895 + 11$$

$$6906 = 6906$$

$$\text{LHS} = \text{RHS}$$

(iii) $16135 \div 875$ gives quotient = 18 and remainder = 385.

$$\begin{array}{r}
 18 \\
 875 \overline{) 16135} \\
 \underline{- 875} \downarrow \\
 7385 \downarrow \\
 \underline{- 7000} \\
 385
 \end{array}$$

Verification: [Dividend = Divisor \times Quotient + Remainder]

$$16135 = 875 \times 18 + 385$$

$$16135 = 15750 + 385$$

$$16135 = 16135$$

$$\text{LHS} = \text{RHS}$$

(iv) $16025 \div 1000$ gives quotient = 16 and remainder = 25.

$$\begin{array}{r}
 16 \\
 1000 \overline{) 16025} \\
 \underline{- 1000} \downarrow \\
 6025 \downarrow \\
 \underline{- 6000} \\
 25
 \end{array}$$

Verification: [Dividend = Divisor \times Quotient + Remainder]

$$16025 = 1000 \times 16 + 25$$

$$16025 = 16000 + 25$$

$$16025 = 16025$$

$$\text{LHS} = \text{RHS}$$

Operations on Whole Numbers Ex 4.4 Q5

Answer :

$$\text{Dividend} = \text{Divisor} \times \text{Quotient} + \text{Remainder}$$

$$\text{Dividend} = 35 \times 20 + 18$$

$$= 700 + 18$$

$$= 718$$

***** END *****