

Solve these Storey sums :-

1. Given number = 6480

Given other number = 10583

Number to be added 6480 to get 10583

$$= 10583 - 6480$$

$$= 4103$$

Ans. 4103 should be added to 6480 to get 10583.

$$\begin{array}{r} 10583 \\ - 6480 \\ \hline 4103 \end{array}$$

2. The sum of two numbers = 16597

Given one number = 9597

Required other number = $16597 - 9597 = 7000$

Ans. The other number is 7000.

$$\begin{array}{r} 16597 \\ - 9597 \\ \hline 7000 \end{array}$$

3. Given number = 17526

Required number = 30000

Number to be added = $30000 - 17526$

$$= 12474$$

Ans. 12474 should be added to 17526 to get 30000.

$$\begin{array}{r} 30000 \\ - 17526 \\ \hline 12474 \end{array}$$

4. The product of two numbers = 6025

Given number = 25

Required number = $6025 \div 25$

$$= 241$$

Ans. Required other number is 241.

$$\begin{array}{r|l} 25 & 6025 \\ \hline & 50 \\ \hline & 102 \\ \hline & 100 \\ \hline & 25 \\ & -25 \\ \hline & 0 \end{array} \quad 241$$

5. Given Product = 1820
 Given number = 13
 Required other number = $1820 \div 13$
 $= 140$

Ans. The required number is 140. When multiplied by 13 gives 1820 as the product.

$$\begin{array}{r|l} 13 \overline{) 1820} & 140 \\ \underline{13} & \\ 52 & \\ \underline{52} & \\ 00 & \\ \underline{00} & \\ 0 & \end{array}$$

6. Given number as dividend = 153
 Given quotient = 9
 Required divisor = $153 \div 9$
 $= 17.$

Ans. 153 should be divided by 17 to get 9 as quotient.

$$\begin{array}{r|l} 9 \overline{) 153} & 17 \\ \underline{9} & \\ 63 & \\ \underline{63} & \\ 0 & \end{array}$$

7. Given number as divisor = 13
 Given quotient = 109
 Required dividend = Divisor \times quotient
 $= 109 \times 13$
 $= 1417$

Ans. 1417 when divided by 13 gives the quotient 109.

$$\begin{array}{r} 109 \\ \times 13 \\ \hline 327 \\ 1090 \\ \hline 1417 \end{array}$$

Simplify: -

Exercise - 2.6

$$\begin{aligned} 1. \quad & 8 + 12 - 6 \times 2 \\ & = 8 + 12 - 12 \\ & = 20 - 12 \\ & = 8 \end{aligned}$$

Ans. The required value is 8 by simplification.

$$\begin{aligned} 2. \quad & 4 \times 5 + 30 \div 5 \\ & = 4 \times 5 + 6 \\ & = 20 + 6 \\ & = 26 \end{aligned}$$

Ans. The required value is 26 by simplification.

$$\begin{aligned} 3. \quad & 3 + 40 \div 10 - 3 \\ & = 3 + 4 - 3 \\ & = 7 - 3 \\ & = 4 \end{aligned}$$

Ans. The required value is 4.

$$\begin{aligned} 4. \quad & 14 + 7 \times 2 - 16 \div 2 \\ & = 14 + 7 \times 2 - 8 \\ & = 14 + 14 - 8 \\ & = 28 - 8 \\ & = 20 \end{aligned}$$

Ans. The required value is 20.

$$\begin{aligned} 5. & 2+4 \times 6 - 2 \times 6 \\ & = 2+4 \times 6 - 12 \\ & = 2+24 - 12 \\ & = 26 - 12 \\ & = 14 \end{aligned}$$

Ans. The required value is 14.

$$\begin{aligned} 6. & 20 \times 5 - 100 \div 100 \\ & = 20 \times 5 - 1 \\ & = 100 - 1 \\ & = 99 \end{aligned}$$

Ans. The required value is 99.

$$\begin{aligned} 7. & 8+20 \div 5 - 0 \div 3 \\ & = 8+20 \div 5 - 0 \\ & = 8+4 - 0 \\ & = 12 - 0 \\ & = 12 \end{aligned}$$

Ans. The required value is 12.

$$\begin{aligned} 8. & 75 \times 0 - 0 \div 75 \\ & = 75 \times 0 - 0 \\ & = 0 - 0 \\ & = 0 \end{aligned}$$

Ans. The required value is zero.

$$\begin{aligned} 9. & 39 - 0 + 5 \times 999 \\ & = 39 - 0 + 4995 \\ & = 39 + 4995 - 0 \\ & = 5034 - 0 = 5034 \end{aligned}$$

Ans. The required value is 5034.