

STD-IV (Test Paper) - 1

Solve

B.

$$\begin{aligned} \textcircled{1} \quad & 3752 - 986 + 1347 \\ & = 3752 + 1347 - 986 \\ & = 5099 - 986 \\ & = 4113 \end{aligned}$$

$$\begin{array}{r} 3752 \\ + 1347 \\ \hline 5099 \\ - 986 \\ \hline 4113 \end{array}$$

Ans. The required solution is 4113

$\textcircled{2}$  Divide 20571 by 25

$$\begin{array}{r} 25 \overline{) 20571} \quad 822 \\ \underline{200} \phantom{00} \\ 57 \phantom{00} \\ \underline{50} \phantom{00} \\ 71 \phantom{00} \\ \underline{50} \phantom{00} \\ 21 \end{array}$$

Ans. The required quotient is 822 and remainder 21.

3.  $2\frac{1}{4} + \frac{3}{4} + 1\frac{1}{4}$

$$= \frac{2 \times 4 + 1}{4} + \frac{3}{4} + \frac{1 \times 4 + 1}{4}$$

$$= \frac{9}{4} + \frac{3}{4} + \frac{5}{4}$$

$$= \frac{9+3+5}{4}$$

$$= \frac{17}{4} = 4\frac{1}{4}$$

Ans. The required sum is  $4\frac{1}{4}$ .

$$\begin{aligned}
 4. \quad & 3\frac{1}{3} - 2\frac{2}{3} \\
 &= \frac{3 \times 3 + 1}{3} - \frac{2 \times 3 + 2}{3} \\
 &= \frac{10}{3} - \frac{8}{3} \\
 &= \frac{10-8}{3} \\
 &= \frac{2}{3}
 \end{aligned}$$

Ans. The required difference is  $\frac{2}{3}$ .

5. Reduce  $\frac{35}{75}$  to the lowest term.

$$\frac{35}{75} = \frac{35 \div 5}{75 \div 5} = \frac{7}{15}$$

Ans. The required lowest term is  $\frac{7}{15}$ .

6) Find all the factors of 36  
By multiplication we have

$$\begin{aligned}
 36 &= 1 \times 36 \\
 &= 2 \times 18 \\
 &= 3 \times 12 \\
 &= 4 \times 9 \\
 &= 6 \times 6
 \end{aligned}$$

So the required factors of 36 are 1, 2, 3, 4, 6, 9, 12, 18 and 36.

Ans. All the required factors of 36 are 1, 2, 3, 4, 6, 9, 12, 18 and 36.

E Solve these word problems.

1. Cost of a ticket = ₹1379  
Cost of 18 tickets = ₹1379 × 18  
= ₹24822

Ans. ~~Adit~~ Adit pays ₹24822 for 18 tickets.

$$\begin{array}{r} 1379 \\ \times 18 \\ \hline 11032 \\ + 13790 \\ \hline 24822 \end{array}$$

- (2) Amount of money given to Chinnu = ₹160  
Fraction of money spent by Chinnu =  $\frac{3}{8}$

Amount of money spent by Chinnu =  $\frac{3}{8}$  of ₹160

$$= \frac{3}{8} \text{ of } ₹160$$

$$\Rightarrow ₹160 \div 8 = ₹20$$

$$\Rightarrow ₹20 \times 3 = ₹60$$

Ans. Chinnu spent ₹60.

3. Number of orange trees = 5005  
Number of mango trees = 2699  
Total number of trees = 5005 + 2699  
= 7704

Ans. There are 7704 trees in all.