

Expt. No. _____

Exercise - 2.4

Solve the Story sums: -

1. Ans - Number of students on a trip = 16
 Amount spent by the school for the trip = ₹12,984
 Amount contributed by the school = ₹5,784
 Amount contributed by the students = ₹12,984 - ₹5,784

$$= ₹7,200$$

$$\text{Amount contributed by each student} = ₹7,200 \div 16$$

$$= ₹450$$

$$\begin{array}{r|l} 16 \overline{) 7200} & 450 \\ \underline{64} & \\ 80 & \\ \underline{-80} & \\ 00 & \\ \underline{-0} & \\ 0 & \end{array}$$

$$\begin{array}{r} ₹12,984 \\ - ₹5,784 \\ \hline ₹7,200 \end{array}$$

Ans. Required amount contributed by each student is ₹450.

2. Number of books on 4 shelves = 400
 Number of books on each shelf = $400 \div 4$
 $= 100$

$$\text{Total number of books in a library} = 98,800$$

$$\text{Required number of shelves} = 98,800 \div 100$$

$$= 988$$

$$\begin{array}{r|l} 4 \overline{) 400} & 100 \\ \underline{40} & \\ 00 & \\ \underline{-00} & \\ 00 & \\ \underline{-00} & \\ 0 & \end{array}$$

Ans. There are 988 shelves in the library.

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$$\begin{array}{r|l} 100 \overline{) 98800} & 988 \\ \underline{900} & \\ 880 & \\ \underline{-800} & \\ 800 & \\ \underline{-800} & \\ 0 & \end{array}$$

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3. Ans. Amount earned by Mrs Kalam every month = ₹10,250
 Number of months in two years = $12 \times 2 = 24$
 Amount earned by her in two years = ₹10,250 \times 24
 = ₹2,46,000.

Ans. She earns ₹2,46,000 in two years.

$$\begin{array}{r} 10250 \\ \times \quad 24 \\ \hline + 41000 \\ 205000 \\ \hline 2,46,000 \end{array}$$

4. Number of trees in a row = 28

Ans. Number of rows = 125

Required number of trees altogether = 28×125
 = 3500

Ans. There are 3500 trees in the orchard.

$$\begin{array}{r} 125 \\ \times \quad 28 \\ \hline 1000 \\ + 2500 \\ \hline 3500 \end{array}$$

5. Number of saplings to be planted = 4680

Number of rows = 18

Number of saplings in each row = $4680 \div 18$
 = 260

Ans. Mr Singh should plant 260 saplings in each row.

$$\begin{array}{r} 4680 \quad 260 \\ 18 \overline{) 4680} \\ \underline{36} \\ 108 \\ \underline{108} \\ 000 \\ \underline{0} \\ 0 \end{array}$$

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6. Number of raw apples = 11,050

Number of ripe apples = twice of 11,050
 $= 11,050 \times 2 = 22,100$

Number of boxes are there = 850

Required number of apples in each box = $\frac{22,100}{850}$
 $= 26$

Ans. Each box will contain
 26 ripe apples.

$$\begin{array}{r|l}
 850 & 22,100 \\
 & \underline{17,00} \\
 & 5,100 \\
 & \underline{5,100} \\
 & 0
 \end{array}
 \quad 26$$