EXERCISE - 7F

1. Cost of 4 chocolates = ₹52

∴ Cost of 1 chocolate = ₹52 ÷ 4

$$\begin{array}{r} 4\overline{)52}(13 \\ -4\downarrow \\ \hline 12 \\ -12 \\ \hline 00 \\ \hline \end{array}$$

Ans - The cost of one chocolate is ₹ 13.

2. Amount Manish had = ₹84
Cost of 1 pencil box = ₹14

∴ No. of pencil boxes he can buy for ₹84 = ₹84 ÷ ₹14

$$\begin{array}{r} 14\overline{)84}(6 \\ -84 \\ \hline 00 \\ \hline \end{array}$$

Ans - Manish can buy 6 pencil boxes for ₹84.

3. Weight of 8 boxes = 144 kg

∴ Weight of 1 box = 144 kg ÷ 8

$$\begin{array}{r} 8\overline{)144}(18 \\ -8\downarrow \\ \hline 64 \\ -64 \\ \hline 00 \\ \hline \end{array}$$

Ans - The weight of one box is 18 kg.

4. No. of students = 280

No. of sections they are to be equally divided into = 4

∴ No. of students in each section = 280 ÷ 4

$$\begin{array}{r} 4\overline{)280}(70 \\ -28\downarrow \\ \hline 000 \\ -0 \\ \hline 0 \\ \hline \end{array}$$

Ans - There are 70 students in each section.

5. Cost of 1 pen = ₹8

∴ No. of pens can be bought for ₹648 = ₹648 ÷ ₹8

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8) 648 (81
  -64
   008
    -8
     0
```

Ans- 81 pens can be bought for ₹648.

6. Amount Rakesh distributed among 7 children equally = ₹875

∴ Rupees each child gets = ₹875 ÷ 7

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7) 875 (125
  -7
   17
  -14
    035
     35
     00
```

Ans- Each child got ₹125.

7. Total no. of seats in a train = 675

Total no. of compartments = 9

∴ No. of seats in each compartment = 675 ÷ 9

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9) 675 (75
  -63
   45
  -45
    00
```

Ans - There are 75 seats in each compartment.

8. 1 week = 7 days.

No. of candles a factory produces in 7 days (1 week) = 1792

∴ No. of candles it produces in 1 day = 1792 ÷ 7

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7) 1,792 (256
  -14
   39
  -35
    42
    42
     00
```

⇒

⇒ it

∴ No. of candles produced in 18 days = 256 × 18

$$\begin{array}{r} 256 \\ \times\ 18 \\ \hline 2048 \\ 256\times \\ \hline 4608 \end{array}$$

Ans - The factory produced 4608 candles in 18 days.

9. No. of pages in 10 notebooks of same kind = 1450

∴ No. of pages in 1 notebook = 1450 ÷ 10

$$\begin{array}{r|l} 10 & 1450 \\ -10\downarrow & \hline 045 \\ -40\downarrow & \\ \hline 050 & \\ 50 & \\ \hline 00 & \end{array} \quad 145$$

Ans - There are 145 pages in each notebook.

10. Total no. of books = 9800

No. of books in 1 bundle = 8

∴ Total no. of bundles made = 9800 ÷ 8

$$\begin{array}{r|l} 8 & 9800 \\ -8\downarrow & \hline 18 & \\ -16\downarrow & \\ \hline 020 & \\ -16\downarrow & \\ \hline 040 & \\ -40 & \\ \hline 00 & \end{array} \quad 1225$$

Ans - 1225 bundles were made.

11. Cost of 8kg of sugar = ₹280

∴ Cost of 1kg of sugar = ₹280 ÷ 8

$$\begin{array}{r|l} 8 & 280 \\ -24\downarrow & \hline 040 & \\ -40 & \\ \hline 00 & \end{array} \quad 35$$

⇒

→ ∴ Cost of 15 kg of sugar = ₹ 35 × 15

$$\begin{array}{r} 35 \\ \times\ 15 \\ \hline 175 \\ 35\times \\ \hline 525 \end{array}$$

Ans - Cost of 1 kg of sugar is ₹ 35 and cost of 15 kg of sugar is ₹ 525.

12. Distance covered by a bus in 6 hours = 192 km.

∴ Distance covered by it in 1 hour = 192 km ÷ 6

$$\begin{array}{r|l} 6 & 192\ (32\ \text{km} \\ -18\downarrow & \\ \hline 012 & \\ 12 & \\ \hline 00 & \end{array}$$

∴ Distance covered by it in 11 hours = 32 km × 11

⇒

$$\begin{array}{r} 32 \\ \times\ 11 \\ \hline 32 \\ 320 \\ \hline 352 \end{array}$$

Ans - The distance covered by the bus in 11 hours is 352 km.

REVIEW EXERCISE (Pg - 100)

E. Answer the following

1. Amount I want to distribute among 8 persons = ₹ 3600

∴ Rupees each person gets = ₹ 3600 ÷ 8

$$\begin{array}{r|l} 8 & 3600\ (450 \\ -32\downarrow & \\ \hline 040 & \\ -40\downarrow & \\ \hline 000 & \\ -0 & \\ \hline 0 & \end{array}$$

Ans - Rupees each person got is ₹ 450

2. Distance a cyclist covers in 6 hours = 126 Km

∴ Distance he covers in 1 hour = 126 Km ÷ 6

$$\begin{array}{r} 6\overline{)126}\,(21\ \text{Km} \\ 12 \\ \hline 006 \\ -6 \\ \hline 0 \end{array}$$

∴ Distance he covers in 5 hours = 21 Km × 5

$$\begin{array}{r} 21 \\ \times\ \ 5 \\ \hline 105 \end{array}$$

Ans- The cyclist covers 105 Km in 5 hours

3. Divisor = 100, quotient = 25 and remainder = 75

Dividend = Quotient × Divisor + Remainder

= 25 × 100 + 75

= 2500 + 75

= 2575

Ans- Dividend = 2575

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