1. A bus covered 27·35 km in the first hour, 25·45 km in second hour, 36·50 km in third hour and 30 km in the fourth hour.

    ∴ The bus covered $(27·35 + 25·45 + 36·50 + 30) = 119·3$ km in four hours.

2. Sonali has ₹ 17·50 after spending ₹ 13·75.

    ∴ Sonali had $(17·50 + 13·75) = ₹ 31·25$ in the beginning.

3. A minister covered 272·75 km in two days. On the first day he covered 189·87 km.

    ∴ On the second day he covered $(272·75 - 189·87)$
    $$= 82·88 \text{ km}$$

4. A man had Rs. 987·75.

He gave Rs. 439·85 to his servant and the rest to the cook.

∴ He gave (987·75 – 439·85) = Rs. 547·9 to the cook.

∴ He gave (547·9 – 439·85) = Rs. 108·05 more to the cook than the servant.

5. A generator uses 9·7 litres of diesel every day.

∴ (9·7 × 7) = 67·9 litres of diesel is required to run the generator for a week.

[1 week = 7 days]

6. Mrs Nair bought 4 packets of peanuts, each weighing 250·50 grams.

Mrs Sen bought 3 packets of peanuts, each weighing 330·85 grams.

∴ Mrs Nair bought (250·50 × 4) = 1002 grams or 1 kg 2 gram peanuts.

∴ Mrs Sen bought (330·85 × 3) = 992·55 grams peanuts.

∴ Mrs Nair bought more peanuts by weight and by (1002 – 992·55) = 9·45 grams.

7. 8·75 m of cloth costs ₹ 420.

∴ 1 metre of cloth costs (420 ÷ 8·75) or (42000 ÷ 875)

= ₹ 48.

∴ The costs of 3·5 m of the same cloth is (48 × 3·5)

= ₹ 168.

8. 81 vessels of equal capacity can be filled with 283.5 litres of water.

   ∴ The capacity of each vessel is $(283.5 \div 81) = 3.5$ litres

9. A certain sum of money is distributed among 26 people. Each person receives Rs. 5.75 and Rs. 3.50 is left.

   ∴ The initial sum of money was $\{(5.75 \times 26) + 3.50\}$ ~~Rs. 152~~

      $= $ Rs. 523.25

10. Let, two decimal fractions are x and y.

    N/g $\quad x + y = 0.9$ and $x - y = 0.2$

    ∴ $\quad x + y = 0.9$

10. -we have, $2 \times$ bigger number $=$ sum of the numbers $+$ difference of the numbers

    $2 \times$ smaller number $=$ sum of the numbers $-$ difference of the numbers

    ∴ $2 \times$ bigger number $= 0.9 + 0.2 = 1.1$

    . $2 \times$ smaller number $= 0.9 - 0.2 = 0.7$

    ∴ The bigger number $= 1.1 \div 2$,   the smaller number $= 0.7 \div 2$

    $\qquad = 0.55$ $\qquad = 0.35$

11. Mr. Joshi bought a packet of toffees for his daughter and a tin of biscuits for his son.

    On toffees he spent $\frac{3}{4}$ of the money spent on biscuits. The price of biscuits was Rs. 60.20.

    ∴ The price of toffees was $(60.20 \times \frac{3}{4}) = $ Rs. 45.15.

    ∴ Mr. Joshi spent $(60.20 + 45.15) = $ ~~105~~ Rs. 105.35

12. Mr. Rao gave ₹ 80·40 to each of his 5 sons and ₹ 50·10 to each of his 6 daughters.

∴ Mr. Rao gave $\{(80\cdot40 \times 5) + (50\cdot10 \times 6)\} = ₹ 702\cdot6$ to his children.