Important points of profit and loss

- The price at which we buy the goods is known as cost price (C.P) .
- The price at which we sell the goods is known as selling price (S.P).
- The expenses on transporting goods, labour charges, salaries etc are known as **overhead expenses** .
- Overhead expenses are added to the cost price.
- When selling price of an item is more than the cost price, it is a profit or gain.

 When the cost price of an item is more than the selling price, it is a loss.

$$C.P > S.P$$
,

there is a loss

$$Loss = C.P - S.P$$

Important formulas:

$$S.P = C.P + Profit$$

$$S.P = C.P - Loss$$

$$C.P = S.P - Profit$$

$$C.P = S.P + Loss$$

Exercise -4

- I' find the profit or loss in each of the following Cases:
- (a) C.p = = 170, S.p = = 2230 SP > CP Profit = S.p - C.p - I 230- I 170 = 760
- (b) c·p = 2425, S·P = 2391 C.P > S.P Loss = c.p-s.p = 7425-7391 = Z 34
 - (c) Sip = ₹975, C.p= ₹ 1025 C.P > S.P LOSS = C.P-S.P = = 1025-975 = £50
- (d) S'P= \$ 1,640, C'P= \$ 1,460 S.P > C.P Profit = s.p-c.p - I 1640 - I 1460 = ₹ 180

2. Find the s.p if:

(b)
$$C \cdot p = \Xi 670$$
, $Loss = \Xi 40$
 $S \cdot p = C \cdot P - Loss$
 $= \Xi 670 - \Xi 40$
 $= \Xi 630$

(b)
$$S \cdot P = 2 \cdot 1825$$
, $profit = 275$
 $C \cdot P = S \cdot P - Profit$
 $= 2 \cdot 1825 - 275$
 $= 2 \cdot 1750$

4. Prince sold a water purifier for \(\mathbb{F}\) 1,530. He had bought it for \(\mathbb{E}\) 1,455. Find his profit or Loss.

Sol. S.p. of water purifier = \(\mathbb{F}\) 1,455

C.p. of water purifier = \(\mathbb{F}\) 1,455

Now, S.b > C.b = ₹1230 - ₹1455 = ₹75.

.. Prince had profit of 7 75.

5. A shopkeeper bought an almirah for ₹ 14,560 and sold it at a loss of ₹ 405. Find the selling price of the almirah.

sol. C.p of the almirah = \(\frac{7}{2}\) 14,560 (tad loss of = \(\frac{7}{2}\) 405

Now, S.p= C.p- Loss = £ 14,560 - £ 405 = £ 14155

... The shopkeeper sold the almirah at \$ 14,155.