

$$\textcircled{1} \quad \frac{SP}{CP} = 0.75$$

$$SP = 450$$

$$\frac{450}{CP} = 0.75$$

$$CP = \frac{450}{0.75}$$

$$CP = 600$$

$$\begin{aligned} 6) \quad \text{Rs.} &:- 100 \\ &\downarrow 20\% \\ &80 = 100\% \\ &\downarrow 10\% \\ &72 \end{aligned}$$

$$100 - 72 = 28\%$$

$$2) \quad \frac{1440}{1200} = 1.20$$

$$\text{Profit} = 20\%$$

$$\frac{800}{0.80} = CP$$

$$CP = 1000$$

$$3) \quad \frac{960}{800} = 1.20$$

$$\text{Profit} = 20\%$$

$$8) \quad \frac{1800}{CP} = 1.25$$

$$CP = 1440$$

$$4) \quad \frac{1200}{CP} = 0.80$$

$$CP = \frac{1200}{0.80}$$

$$CP = 1500$$

$$9) \quad \frac{SP}{1500} = 0.90$$

$$SP = 1350$$

$$5) \quad \frac{480}{400} = 1.20$$

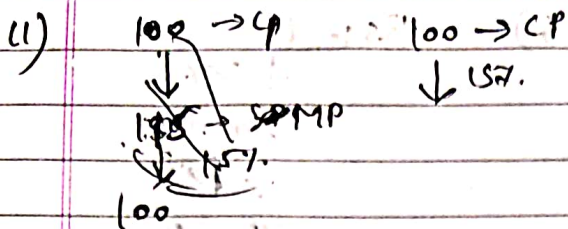
$$\text{Profit} = 20\%$$

$$10) \quad CP = \frac{150}{10}$$

$$SP = \frac{200 \times 10}{180}$$

$$200 \times \frac{10}{180}$$

$$\text{Profit} = 33.33$$



$$MP = 100$$

$$\downarrow 15\%$$

$$SP = 85$$

$$CP = 70.83$$

$$\frac{SP}{CP} = \frac{1.20}{1.20}$$

$$SP = 1.20 MP$$

$$SP = 85 MP$$

$$SP = 120 CP$$

$$0.85 MP = 1.20 CP \Rightarrow 70.83$$

$$85 MP = 120 CP$$

$$\text{mark percentage} = 79\%$$

$$MP = \frac{120 CP}{85}$$

$$SP = MP = \frac{120 CP}{0.85}$$

$$100\% MP = \frac{1}{100} \times \frac{120}{85} CP$$

$$MP = 1.41 CP$$

$$41\%$$

$$(2) \quad \frac{2250}{CP} = 1.10$$

$$CP = 2045.45$$

$$(3) \quad \frac{SP}{800} = 1.25$$

$$SP = 1000$$

$$(4) \quad \frac{15000}{CP} = 0.90$$

$$CP = 16666.66$$

$$(5) \quad \text{CP} = 100$$

$$MP = 130$$

$$\downarrow 20\%$$

$$136.6$$

Profit :- 36.6%

$$(6) \quad CP = 100$$

$$\downarrow 5\%$$

$$SP = 95$$

$$\frac{95}{CP} = 1.12$$

$$95MP = 1.12CP$$

$$MP = 0.84CP$$

$$MP = 420$$

$$MP = 339.28 //$$

$$(7) \quad CP = 480$$

$$SP = 576$$

Profit = 20%

$$(8) \quad \frac{500 + 50}{500} = ?$$

10% Profit.

$$19) \frac{SP}{CP} = 1.15$$

$$b = 2000$$

$$20) \frac{900}{750} = 1.20$$

20% profit

$$21) \frac{640}{CP} = 0.80$$

$$CP = 800$$

$$22) \frac{9600}{1.20}$$

$$CP = 8000$$

$$23) \frac{500}{1.20}$$

$$CP = 416.66$$

$$24) \frac{SP}{1500} = 1.20 \quad SP = 1800$$

$$\frac{SP}{1500} = 0.90 \quad SP = 1350$$

$$Total = 3000$$

$$\frac{3150}{3000} = 1.05$$

5% profit

$$25) \frac{1250}{CP} = 1.088$$

$$\frac{3125}{1250 \times 1.088}$$

$$\frac{88}{12}$$

$$CP = 1420.45$$

$$26) 1 = 100\% = 100\% = 100\%$$

$$\frac{1}{2} = 50\% = 20\%$$

$$c) 400\%$$

$$27) \frac{490}{2} = 245$$

$$2.45 \times 1020$$

$$= 49$$

$$28) \frac{SP}{5150} = 0.80$$

$$\frac{50150}{50} = 0.80$$

$$\frac{1000}{CP} = 0.80$$

$$CP = 1250$$

$$loss = 250\%$$

$$29) \frac{1}{2} = 0.80$$

$$\frac{1}{2} = 0.50$$

$$0.80 \times 1.50 = 1.20$$

20% profit.

$$30) \frac{5545}{600} = 0.0095 \times 1000$$

$$= 7.5$$

31) 100% profit

Ans = 200%

$$Ans = 200\%$$

$$32) 100 = cost \times \frac{500}{100} = 120\%$$

$$\downarrow 20\%$$

$$80 = cost \times \frac{2+500}{80} = 1.20$$

$$b = 900$$