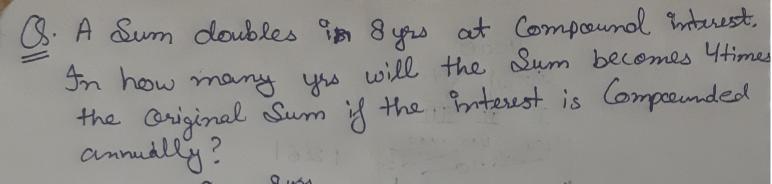
8. If Rs. 2000 amounts to Rs 2880 in 2yrs at Compound Interest, what is the rate of interest per annum. if the interest is being Compound annually?

A = P(1+R)



30l 22 42 16 yrs Aus

O. The difference b/w the Compound interest and Simple interest on a Certain Sum at 12% per curum for 2yrs is Rs. 126.72. Find the Sum.

 $D = P\left(\frac{R}{100}\right)^2$ 

Sol

CI-SI for 2 yrs = P(R)2

S. A Shopkeeper professes to sell his goods at 10% profit, But he uses 20% less weight. Find his total profit percent.

$$CP \rightarrow \frac{1000}{1000 \text{ gm}} + 10\% \text{ y} = \frac{24000}{4000 \text{ gm}}$$
 $SP \rightarrow \frac{20\%}{800 \text{ gm}} \times 5 = \frac{25500}{4000 \text{ gm}}$ 

Profit = 5500 - 4000 = 1500  $P'/v = 1500 \times 100$ = 37.5.1.

$$P = 39.6 - 36 = 3.6$$

$$P \cdot 1. = \frac{3.6}{36} \times 100$$

$$= 10.1.$$

$$\begin{array}{c}
(P \rightarrow 100) \\
SP \rightarrow 80 \\
CP \rightarrow 130\%
\end{array}$$

$$\begin{array}{c}
SP \rightarrow 130\% \\
CP \rightarrow 130\%
\end{array}$$

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CP \rightarrow 130\%
\end{array}$$

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CP \rightarrow 130\%
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CP \rightarrow 130\%
\end{array}$$

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SP \rightarrow 130\% \\
CP \rightarrow 130\%
\end{array}$$

$$\begin{array}{c}
SP \rightarrow 130\% \\
CP \rightarrow 130\%$$

$$P^{0/6} = SP - CP = \frac{975}{13} - \frac{800}{13} = \frac{175}{13} \times 1000$$