FUNCTIONS Thug May 2019 interest rate 2.5% ist pay back the boan in Zyrs vore to pay? problem as those in the the context & jargon. next it is A(m) = P(1+i)

 $A(m) = P(l+i)^m$ A = Gmount let's solve it: Ayr = 12 months PElrinhipal i = interest rate Afder 2415 A(24) = 5000 (1+0.025)M = months = 5000 |.015 - 9043.63

flow much more doive pay after 24rs? 4043.93 In percentage, relative to the initial loan, how much is that? <u>4043.93</u> tod = 81% 5000

You invest \$10000 at 1% semi-annually for 3 yrs. How much money do you have alend? Example : (not guite intle book) $A(\chi) = P(1+i)$ In this case it's comparated any bounded an interest rate of $i = \frac{1\%}{5} = 0.04$. In Syrs = 6 half-years Hence X = 6, A(-6) = 10.000 (1+0.04) = 12.653.19

How much do we have after ?
How much more did we get after
$$1 \text{ yr}$$

In percentage, was vas our gain?
$$\frac{816}{10.000} \cdot 100 = 8.16 = 8$$

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 $\int yr^{?} A(2) = (0000 \cdot 1.04) = 10816$ C? 816

3.16 %