

12. Use the property tax rates given below to answer this question.

Property tax rate for owner-occupied properties = 4%
 Property tax rate for other properties = 10%

Mr Goh bought apartments *A* and *B* in the year 2000. He stayed in apartment *A* and leased apartment *B* at \$2400 a month since the year 2001.

- (a) Calculate the property tax payable in 2007 for
- (i) apartment *A* if its estimated rental value was \$3000 per month in 2006,
 - (ii) apartment *B*.
- (b) Suppose there was no change to the property tax rates from 2001 to 2007. Calculate Mr Goh's annual income from staying in apartment *A* and leasing apartment *B* after deducting the property tax.

Further Practice

13. Mr Ng bought 5 tickets to a popular concert for \$80 each. He retained 1 ticket for himself and sold the remaining tickets on the Internet.

Calculate the selling price of each ticket if he made

- (a) just enough to cover the cost of the retained ticket,
- (b) an overall profit of 5% on the total cost of the 5 tickets.

14. Benny invested \$80 000 in the ratio 2 : 3 : 5 in 3 stores that sells prata, noodle and herbal soup in a coffeeshop.

After 1 year, the prata stall made a profit of 35% and the noodle stall incurred a loss of 28% on their respective initial investments.

- (a) Find the profit made by the prata stall.
- (b) Find the loss incurred by the noodle stall.
- (c) How much in profit or loss did the herbal soup stall make if the overall profit from the 3 stalls was 6% of the initial investment?
- (d) Find the profit or loss of the herbal soup stall as a percentage of its initial investment under the condition in (c).

15. Clients who participate in a particular investment scheme are paid 5% p.a. simple interest for the first 5 years. If they continue to participate in the scheme after 5 years, the clients will earn an additional 2% p.a. simple interest on their principal.

- (a) Mrs Ling invested \$12 000 in the scheme. How much did Mrs Ling accumulate in the scheme after 4 years?
- (b) Mr Han invested \$*x* in the scheme. The amount he accumulated in the scheme after 8 years is \$1990 lower than the amount Mrs Ling accumulated after 4 years. Find the value of *x*.

16. The following table shows the details of 3 investment plans.

Plan	Interest p.a. (%)	Interest compounded
<i>A</i>	5	yearly
<i>B</i>	4.95	quarterly
<i>C</i>	4.9	monthly

Mr Seow wants to invest \$100 000 into one of the 3 plans over a period of 5 years. Which plan should he invest in? Explain your answer.