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Mathematics In Practical Situations

Basic Practice

- The cost price of a camera is \$450. Find its selling price if it is sold at
 - a profit of 24% on the cost price,
 - a loss of 18% on the cost price.
- The selling price of an electric fan is \$39. It is sold at a profit of 20% on the cost price.
 - Find
 - the cost price of the fan,
 - the profit.
 - Hence, find the selling price of the fan if it is sold at a loss of 16% on the cost price.
- A bank offers simple interest at the rate of 5% p.a. for savings accounts.
 - Mr Tan deposited \$8000 with the bank. Find the amount of interest earned after 6 years.
 - Mrs Lim deposited \$ x with the bank. Find the value of x if the total amount of interest earned after 4 years is \$800.
 - Jenny deposited \$3000 with the bank for t years. Find the value of t if her deposit increased to \$3750 after t years.
- Eligible clients may take up a loan from a bank at 12% p.a. compound interest.
 - May Yee borrowed \$3500 from the bank for 2 years. Find
 - the total amount paid,
 - the total interest accumulated,by the end of the loan period.
 - Muthu borrowed \$ y from the bank for 3 years. In total, he paid \$10 536.96 at the end of the loan period. Find the value of y .
- The cash price of a computer is \$1800. Mr Malek bought the computer by paying monthly instalments of \$125 over 18 months.
 - Find
 - the total amount payable by Mr Malek,
 - the interest payable by Mr Malek.
 - Hence, find the flat rate of interest of the instalments.
- The cash price of a sofa set is \$2450. Mrs Lingam bought the sofa set by paying a 30% downpayment and monthly instalments of \$88 over 2 years.
 - How much is
 - the downpayment?
 - the total amount payable by instalments over the 2 years?
 - Find the total amount paid by Mrs Lingam for the sofa set.
 - Find the flat rate of interest of the instalments.