



3055 BA SANGAM COLLEGE

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WORKSHEET 10 YEAR 09

SUBJECT: MATHEMATICS

NAME OF STUDENT: _____

STRAND	<i>SOCIAL MATHEMATICS</i>
SUB-STRAND	<i>Money, Ratio and Proportion</i>
Content Learning Outcome	➤ <i>Extend knowledge on use of money calculations by the use of real life situations</i>

Calculation of Profit and Loss

Objective:

- Work out the profit/loss
- Calculate the selling price

Example 1

A house that was bought two years ago for \$80,000 was sold at a profit of 25%. Work out the selling price of the house.

Work out the profit

$$\begin{aligned} 25\% \text{ of } \$80,000 &= \frac{25}{100} \times \$80,000 \\ &= \$20,000 \end{aligned}$$

The selling price

$$\begin{aligned} &= \text{profit} + \text{original cost} \\ &= \$20,000 + \$80,000 \\ &= \$100,000 \end{aligned}$$

Exercise 2

A house was sold at a profit of 40%. If the original cost of the house was \$50,000.00, work out the following

- (a) 40% of \$50,000.00
- (b) The selling price of the house (2 m)

Example 3

A new car is sold for \$50,000.00 and its deposit is \$20,000.00. Work out the deposit of the car as a percentage.

$$\text{Percentage} = \frac{\text{Quantity being compared}}{\text{Basic quantity}} \times 100$$

$$\frac{\$20,000}{\$50,000} \times 100 = \underline{40\%}$$

ACTIVITY

1. Vimlesh bought the following items from a supermarket near his home:

Flour	\$12.00
Rice	\$4.00
Eggs	\$6.00
Washing soap	\$2.00

- (a) Work out the total cost of items bought by Vimlesh.

- (b) What percentage of the total cost was spent on flour?

- (c) What percentage of the total cost was spent on rice, flour and washing soap?

(1 MARK EACH)

2. A house was sold at a profit of 35%. If the original cost of the house was \$60,000.00, work out the following.

- (a) 35% of \$60,000.00

- (b) The selling price of the house

(2 MARKS EACH)