WORKSHEET 9

BA SANGAM COLLEGE   **YEAR 09**
SUBJECT: MATHEMATICS   **NAME OF STUDENT: _____**

STRAND	*SOCIAL MATHEMATICS*
SUB-STRAND	*Money, Ratio and Proportion*
Content Learning Outcome	➢ *Extend knowledge on use of money calculations by the use of real life situations*

 To Increase $20 by 20%

Method 1

  ➢ First find out 20% of $20
  ➢ $\frac{20}{100} \times \$20 = \$4$
  ➢ Add $4 to $20
  ➢ $4+$20 = $24

Method 2

  ➢ $20 is equivalent to 100%
  ➢ Increase of 20% will give a total of 120%
  ➢ So 120 % of $20 is:
  ➢ $\frac{120}{100} \times \$20 = \$24$

Example 1

Decrease $400 by 10%

  ➢ Find 10% of $400
  ➢ $\frac{10}{100} \times \$400 = \$10$
  ➢ $400 - $10 = $390

Example 2

Increase $300 by 20%

  ➢ Find 20% of $300
  ➢ $\frac{20}{100} \times \$300 = \$60$
  ➢ $300 + $60 = $360

<u>Activity</u>

1. Increase $40.00 by 50%

2 Marks

2. Increase $90.00 by 25%

2 Marks

3. Decrease $800.00 by 18%

2 Marks

4. Decrease $10.00 by 22%

2 Marks

5. A car that was bought for $12, 000.00 in 2006 was sold for $8, 000.00 in 2010.

(a) How much did the car owner lose?

2 Marks

(b) Work out the percentage loss.

2 Marks