

**Grade 8 Term 1 Test**



**Total [50]**

**INSTRUCTIONS:**

Answer ALL questions :

1. A non-programmable calculator may be used unless otherwise stated.

2. Show all necessary steps in your working unless otherwise stated.

3. When answering questions, apply your knowledge, skills and insight.

4. Number the answers correctly according to the numbering system used in this question paper.

5. Write neatly and legibly.

**QUESTION1**

Two days ago Sam's Cafe received R380, but his expenses were R420

* 1. Did Sam make a profit or a loss? (1)
  2. Calculate the profit or loss for the day (2)

**QUESTION 2**

A worker was promoted to be a manager his previous salary was R25 000.00 and now he earns R33 000.00

1. Calculate his salary increase in a percentage form (3)
2. He wants to buy a house and can qualify for an instalment of 33% of his salary, calculate the premium? (3)

**QUESTION 3**

A worker earns R21 000.00 per month. 25% goes to the deductions, 51% goes to his expenses, 5% goes to the savings, 10% goes to his church.

Calculate:

a) His salary after deductions (in Rands) (2)

b) How much money (in Rands) goes to his expenses (2)

c) How much money (in Rands) does the worker have left every month?

1. As a percentage (2)
2. In Rands (2)

d) How much is his salary per year (3)

**QUESTION 4**

Simplify the following:

a) (1)

b) (1)

c) (1)

1. (1)
2. (1)

**QUESTION 5**

Solve for 

1.  (1)
2.  (1)
3.  (3)
4.  (2)

**QUESTION 6**

Use prime factorisation to determine the HCF and LCM for:

1. 16 and 64 (3)
2. 21 and 63 (3)

**QUESTION 7**

Solve for

1.  (2)
2.  (2)
3.  (2)
4.  (2)
5.  (2)
6. **** (2)