

**Grade 8 Term 1**



**ASSIGNMENT MEMORANDUM Total [50]**

**QUESTION1**

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

* 1. Did Sam make a profit or a loss? (1)

**Loss**

* 1. Calculate the profit or loss for the day (2)

**Loss = R420 R380**

**= R40**

**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)

**R33000 R25000 R8000**

**R100 32%**

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

**R33 000 R10 890.00**

**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)

**75% x R21 000 = R15 750**

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

**51% x R21 000 = R10 710**

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

1. As a percentage (2)

**100 – (25+51+5+10) = 9%**

1. In Rands (2)

**9% x R21 000 = R1 1890**

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

**R21 000 x 12 = R252 000**

**QUESTION 4**

Simplify the following:

a) (1)

**=27**

b) (1)

**=1**

c) (1)

**=**

1. (1)

**=10**

1. (1)

**=0,25**

**QUESTION 5**

Solve for 

1.  (1)



1.  (1)

****

1.  (3)

1.  (2)

**QUESTION 6**

Use prime factorisation to determine the HCF and LCM for:

1. 16 and 64 (3)

**16 = 64 =**

**HCF= = 16**

**LCM = = 64**

1. 21 and 63 (3)

**21 = 3 x 7 63 =**

**HCF= 3 x 7 = 21**

**LCM = = 63**

**QUESTION 7**

Solve for

1.  (2)

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