

TRINITY HOME COLLEGE
SABO OJOO, IBADAN
2nd C.A 2019/2020 SESSION

SUBJECT: MATHEMATICS

DURATION: 40 minutes

CLASS: J.S.S 3

INSTRUCTION: ANSWER ALL QUESTIONS

(1a) If $452_6 - 114_6 = z_3$, find the value of z .

(1b) If $1222_4 + 2003_4 = N_8$, find N .

(2a) Find the sum of the quotient when 27 is divided by 3 and the quotient when 35 is divided by 7.

(2ai) The sum of two numbers is 9. If the smaller number is half of the bigger number, find the number.

(2b) Tomiwa adds 5 to twice a certain number, the result is the sum of 9 and the original number. What is the original number?

(3a) If Quadri subtracts 8 from 5 times a certain number and he divides the result by 3, the final answer is equal to the original number. Find the number.

(3b) Factorize the following

(i) $13y^2z^2 + 52yz$

(ii) $21wx^2 + 63w^3x^4$

GOOD LUCK