ATIKASCHOOL.COM

Form 1	Term 2	121 A - Mathematics	13-Jul-16	Weekly Ambush

ADM…..… NAME …… CLASS …….. TIME: 1 *hr*

INSTRUCTIONS:

1. *Write your name, class and ADM number in the spaces provided above.*
2. *Answer all the questions provided in this question paper*
3. *All workings must be clearly shown*
4. *Any acts of cheating will render your examinations nullified*
5. *Sign and write the date of the examination in the spaces provided below*

Invigilator's Name	Date Issued	Date Returned	Date Revised	Student's signature

For examiner's use only

~~Question/Section~~/Page	1	2	3	4	Total
Max. Score	4	17	9	11	41
Candidate's Score					

Questions

1. Write the following numbers in standard form:
   a. 5620 (1 mk)

   b. 24639 (1 mk)

   c. 0.002128 (1 mk)

   d. 0.09234 (1 mk)

2. Use mathematical tables to find the square root of the following numbers
   a. 9672 (2 mks)

   b. 20.38 (2 mks)

   c. 0.3482 (2 mks)

   d. 0.005474 (2 mks)

3. Convert the following recurring decimals into fractions
   a. $0.\dot{5}\dot{4}$ (2 mks)

   b. $4.1\dot{6}$ (2 mks)

   c. $0.\dot{0}2\dot{7}$ (2 mks)

4. Evaluate without using tables or calculator (3 mks)

$$\frac{180 \div (-5) \times (5 + (-4))}{2 \times (-6) \div 18}$$

5. A certain sum is divided in the ratio $1\frac{1}{2}$, $2\frac{1}{3}$, $3\frac{1}{4}$. If the largest share is 156 Shillings, what is the sum divided? (3 mks)

6. A hall is 15m long, 8m wide and 4m high. The door and windows occupy $14m^2$. The walls are to be painted. Find the cost of painting them at Shs 75 per square metre. (2 mks)

7. Classes in a school start at 8.00 A.M and end at 4.20 P.M. Tea and lunch breaks take a total of two hours.
    a. How long do the lessons take? (2 mks)

    b. If there are eight equal lessons in a day, how long is each lesson? (2 mks)

8. Test whether 712 008 is divisible by: (4 mks)
    a. 3

    b. 8

    c. 9

    d. 11

9. Express 256 as a product of prime factors in power form (2 mks)

10. A number M is formed by writing all the prime numbers between 0 and 10 in an ascending order. Another number N is formed by writing all the odd numbers between 0 and 10 in descending order.
    a. Find N + M (2 mks)

    b. Express (N+M) as a product of its prime factors (3 mks)