

Name: ..... Adm no.....

School: .....Signature .....

Date: .....

**MATHEMATICS  
PAPER  
TERM 3 2017  
TIME: 1 ¾ HOURS.**

**2017  
Form One**

**Mathematics  
Paper**

**INSTRUCTIONS TO STUDENTS:**

- Write your name, Admission number, date and signature in the space provided at the top of the page.
- Answer **all** the questions in this question paper.
- All working must be clearly shown.
- Marks may be awarded for correct working even if the answer is wrong.

**For Examiner's Use Only:**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	16

17	18	19	20

GRAND TOTAL

*This paper consists of 8 printed pages. Students should check to ascertain that all pages are printed as indicated.*

1. Write the following numbers in words. (2 marks)  
(a) 6 543 654 444

(b) 75 356 765 003

2. Write the place value of the digits in boldface. (3 marks)

(a) 9**3** 777 765

(b) 3 4**6**8 899 789

(c) 456 7**9**0

3. To the nearest number indicated in brackets, round off each of the following numbers. (3 marks)

(a) 667 890 567 (1000)

(b) 65 745 344 (10 000)

(c) 156 789 (100 000)

4. (a) Work out:  $6\,789 \div 13$  (2 marks)

Hence determine the:

(i) Quotient (1 mark)

(ii) Remainder (1 mark)

b) Prove that the dividend is 6 789 in the workout above. (2 marks)

5. A company was reported to have made a profit of 93678563. Two daily newspapers gave the figure, one to the nearest 1000000 and the other to the nearest 10000. What was the difference between the rounded off figure? (3marks)

6. Work out:

a)  $142 + 258 \div 6$  (2marks)

b).  $\frac{672 \times 480}{96}$  (2marks)

7. Three tanks are capable of holding 36,84 and 90 litres of milk. Determine the capacity of the greatest vessel which can be used to fill each one of them in exact number of times.

(2marks)

8. A number n is such that when it is divided by 27,30 and 45 , the remainder is 3. Find smallest possible value of n. (3marks)

9. Express the following into improper fraction

a).  $1\frac{7}{8}$  (2marks)

b).  $6\frac{3}{4}$  (2marks)

10. Using a number line, work out the following:

a)  $(-8) + (+5)$  (2marks)

b).  $(+3) - (+2)$  (2marks)

11. Evaluate:

a) $(-3) \times (-7)$  (2marks)

b)  $288 \div (-24)$  (2marks)

12. Find the value of the unknown in each of the following:

a)  $-56 \div n = 7$  (3marks)

b)  $340 \div n = 17$  (3marks)

13. The temperature of a patient admitted to a hospital with fever was  $42^{\circ}\text{C}$  . After treatment, his temperature settled at  $36.8^{\circ}\text{C}$  . Find the change in temperature. (2marks)

14. If  $x = -2$   $y = -6$  and  $z = 4$ , find the value of each of the following.

a).  $4z + 2y - x$

(2marks)

b).  $\frac{4xy}{z}$

(2marks)

15. Express each of the following as a mixed number

a).  $\frac{8}{3}$

(2marks)

b).  $\frac{38}{9}$

(2marks)

c).  $\frac{340}{13}$

(2marks)

16. Find the value of the unknown

i.  $\frac{3}{5} = \frac{x}{15}$

(2marks)

ii.  $\frac{16}{y} = \frac{4}{7}$

(2marks)

iii.  $\frac{3p}{5} = \frac{36}{15p}$

(2marks)

17. Evaluate the following:

i)  $\frac{1}{2} + \frac{1}{9}$

(2marks)

ii)  $8\frac{1}{9} - 2\frac{3}{4} + 2\frac{1}{4}$

(2marks)

iii)  $\frac{3}{8} \times \frac{6}{7}$

(2marks)

18. Find the reciprocal of :

a)  $6\frac{3}{8}$

(1mark)

b)  $\frac{7}{11}$

(1mark)

19. Work out: a)  $\frac{4}{5} \div \frac{2}{3}$

(2marks)

b)  $\frac{7\frac{3}{7} \div 3\frac{1}{4}}{7}$

(2marks)

20. Convert the following decimal numbers into fractions:

a). 0.075

(2marks)

b). 0.3

(3marks)

**THIS IS THE LAST PAGE**