## FORM ONE TERM ONE EXAMS 2017

**MATHEMATICS** 

TIME: 2 ½ HOURS FORM ONE

## **SCHOOLS NET KENYA**

Osiligi House, Opposite KCB, Ground Floor Off Magadi Road, Ongata Rongai | Tel: 0711 88 22 27

E-mail:infosnkenya@gmail.com | Website: www.schoolsnetkenya.com

1	Write	2770	7807	in	words.
1.	WILLE	4110	1001	ш	worus.

(2mks)

2. Use either <,> or = to relate the fractions below.

a) 
$$^{2}/_{4}$$
 and  $^{3}/_{6}$ 

(1mk)

b) 
$$^{60}/_{25}$$
 and  $^{60}/_{132}$ 

(1mk)

3. State the place values of the following digits in the number 201.789.

(1mk)

(1mk)

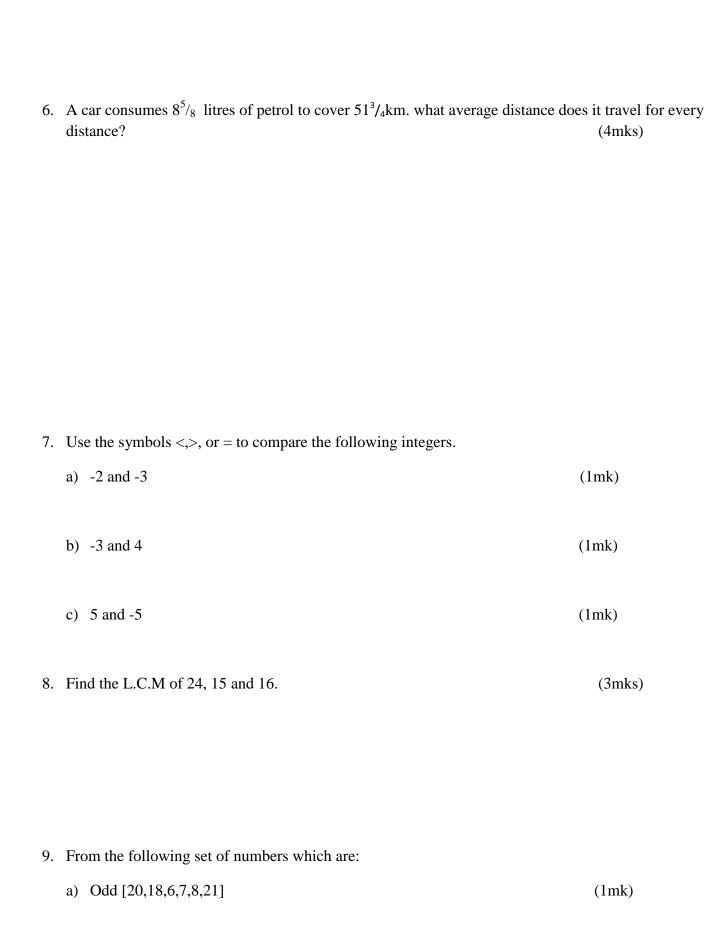
(1mk)

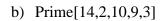
4. Use factor-tree to decompose 256 into prime factors.

(4mks)

5. Evaluate 
$$\left\{ \left(1\frac{1}{4} - \frac{3}{8}\right) \div 2\frac{1}{2} + 1\frac{3}{4} \div 1\frac{1}{4} \right\}$$

(3mks)





(1mk)

10. Convert the following fractions into percentages:

(2mks)

(2mks)

11. What is the G.C.D of 60, 80 and 120?

(3mks)

12. What fraction does letter K represent in the diagram below?

(3mks)

K	L	L	L	K
L	K	K	L	W
L	L	L	K	L
L	K	L	L	L

13. Write in figures five billion five million five thousand and five.

(2mks)

14. The sum of two consecutive even numbers is 74, find the two numbers.

(4mks)

15. Write the following into improper fraction:			
a) 1 <sup>3</sup> / <sub>4</sub>	(2mks)		
b) 2 <sup>6</sup> / <sub>7</sub>	(2mks)		
16. Use a number line to perform the following operations.			
a) (-10)-(-3)	(1mk)		
b) (-3)-(-4)	(1mk)		

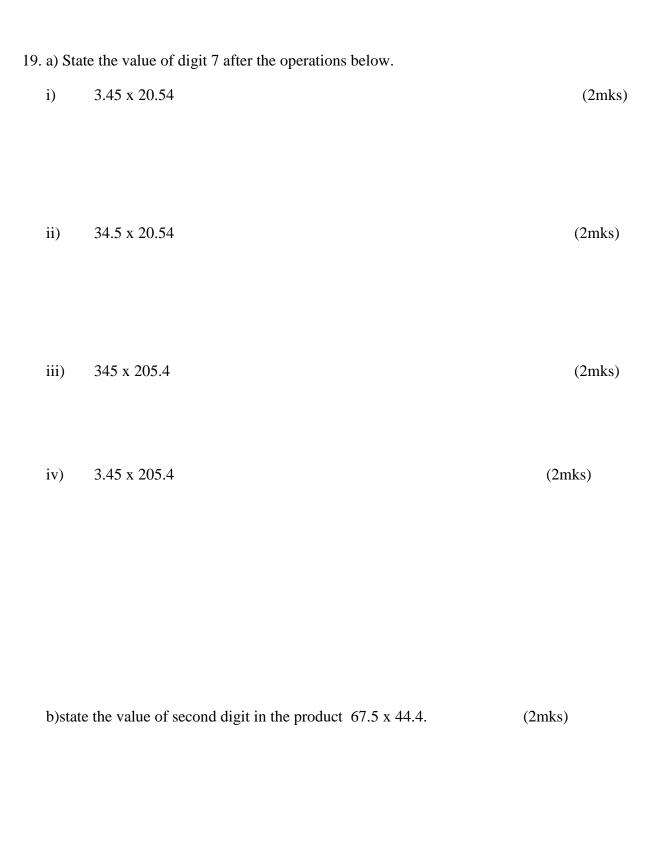
(1mk)

c) (+1)-(-8)

## SECTION II (50MKS)

## **Answer any five Questions in this section**

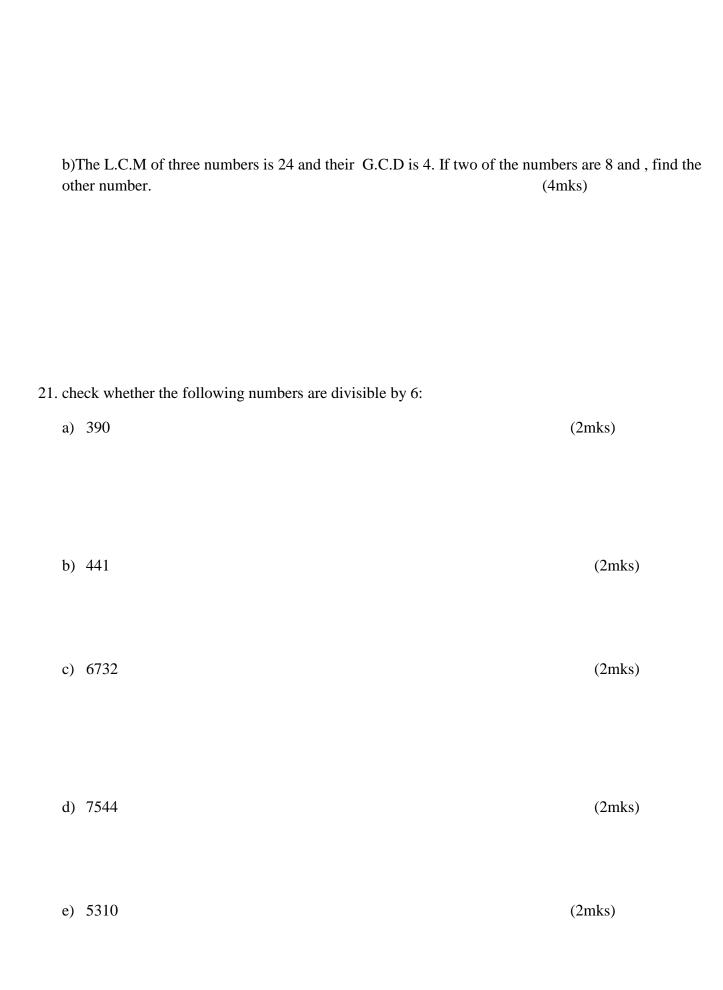
a) A two digit number is such that the on the digits is 9, find the number.	es digit is 1 <sup>1</sup> / <sub>4</sub> times greater than the tens digit. If the sum of (6mks)	of
b)find the product of the positive differen	ice and the maximum quotient between the digits. (4mks)	
Three bells ring at intervals of 6 minutes, when they will ring for:	5 minutes and 8 minutes. If they rang first at 9.15 a.m, find	
a) The second time	(6mks)	
b) The 5 <sup>th</sup> time	(4mks)	



20. a) When a number is divided into by 8,9, and 6 the remainders are 7, 8 and 5 respectively. Find the

(6mks)

number.



22. Express the following numbers in powers of their prime factors:				
8	ı)	196	(2mks)	
1	,	72	(2mka)	
ι	"	72	(2mks)	
(	:)	385	(2mks)	
(	l)	300	(2mks)	
$\epsilon$	e)	715	(2mks)	
23. Three boys shared some money. The youngest got $^{1}/_{12}$ of it, the next got $^{1}/_{9}$ and the eldest got the remainder.				
8	ı)	What fraction of the money did the eldest receive?	(6mks)	
ŀ	)	If the eldest boy got shs. 330, what was the original sum of money	? (4mks)	
·	′)	in the classic boy got one. 550, what was the original sum of money	. (111110)	

24. Round off the following numbers to the nearest values indicated in the brackets,			
a) 370 (1000)	(2mks)		
b) 2499 (10)	(2mks)		
c) 38679 (10000)	(2mks)		
d) 473678 (100)	(2mks)		
e) 501 (1000)	(2mks)		