

MATHEMATICS FORM ON	E
ENDTERM ONE 2022 EXAMINA NAME MAL KING SCHEME CLASS	
Instructions:	
 ✓ Answer all questions in the spaces provided. ✓ All working must be clearly shown under each question. ✓ Calculators will not be required while answering the questions. 	
TIME: 2 HOURS	
1. State the place values of the following digits in the number 201.789.	
a) 1 Ones	(1mk)
b) 8 fundredths -1	(1mk)
o) 7 Tenths	(lmk)
2. a) Write 207,099,099 in words. Two hundred and Seven shalloof ninety thousand and ninety nine Waxay	2mks y nine
b) What is the total value of 7 in the number in (a) above?	1mk
7,000,000 / 1	
 Write in figures: Ninety five billion, one hundred and fifty four million, two hundred and 	2mks nd twenty three thousand and thirty
95 000 000 000 154 000 000 223 000 0 3 0	
95, 154, 223, 030,	



4. Determine, without actual division, whether the number 51,257,	932 is:
i. divisible by 3	(2mks)
5+1+2+5+7+9+3+2 = 34 1	C 10(7932 Ú
5+1+2+5+7+9+3+2 = 34 34 is not a multiple of 3, Then not divisible by 3.	efore 31, 231,
ii. divisible by 8	(2mks)
ii. divisible by 8 51257 932 not a multiple of 8 hadivisible 932 is not divisible by 8 51,257,932 is a divisible by 8	by & Therefore
iii. divisible by 11 $\frac{1}{1}$	17 (2mks)
iii. divisible by 11 5 + 2 + 7 + 3 = 1 + 5 + 9 + 2 = The difference of alternating positions 5 25 7932 is of some size of land and sh. 120,000 savings in	The sums of number the The sums of number the Missible by 11.
80,000 per hectare. If his wife gets sh. 520,000 and the rest is divide two daughters, how much money does each child get? 4mks	ded equally among his four sons and
Total Cash = 50x 80,000 + 120,000 Children = 4,120,000 FVI	$= \frac{3600,000}{6} = \frac{3600,000}{1}$
= 4,120,000	- And 100 /=
hemainder after = 4,120,000 - 520,000 deductly wifes = 3,600,000 / 1 share = 3,600,000	= 600,000 / 1/1
6. Convert the recurring decimal 0.18 into fraction	3mks
let $Y = 0.181818$ 10Y = 1.81818 100Y = 18.181818 100Y = 18.181818	
$=) 100 \text{Y} = \frac{0.181818}{11.81818} $	
$\frac{99r = 18.0}{99}$	
· 1000年1月1日 1000年1月1日 1000年1月1日 1000年1月1日 1000年1日 100	



7. Express 900 as a product of its prime factors

(2mks)

(4mks)

8. Find their L.C.M and the G.C.D of 24, 60 and 108 using prime factors method and leave your answers

8. Find their L.C.M and the G.C.D of 24, 60 and 108 using prime factors method as a product of their prime factors.

$$2 = 2 \times 3$$

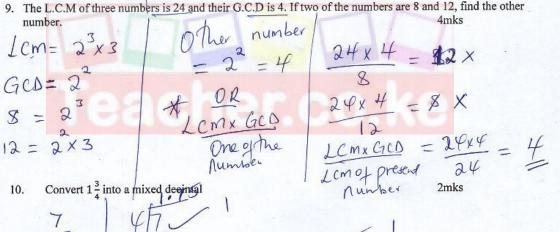
$$60 = 2 \times 3 \times 5$$

$$60 = 2 \times 3 \times 5$$

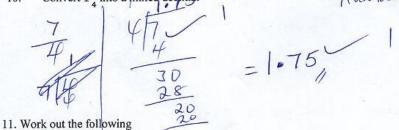
$$G.C.D = 2 \times 3$$

$$G.C.D = 2 \times 3$$

9. The L.C.M of three numbers is 24 and their G.C.D is 4. If two of the numbers are 8 and 12, find the other



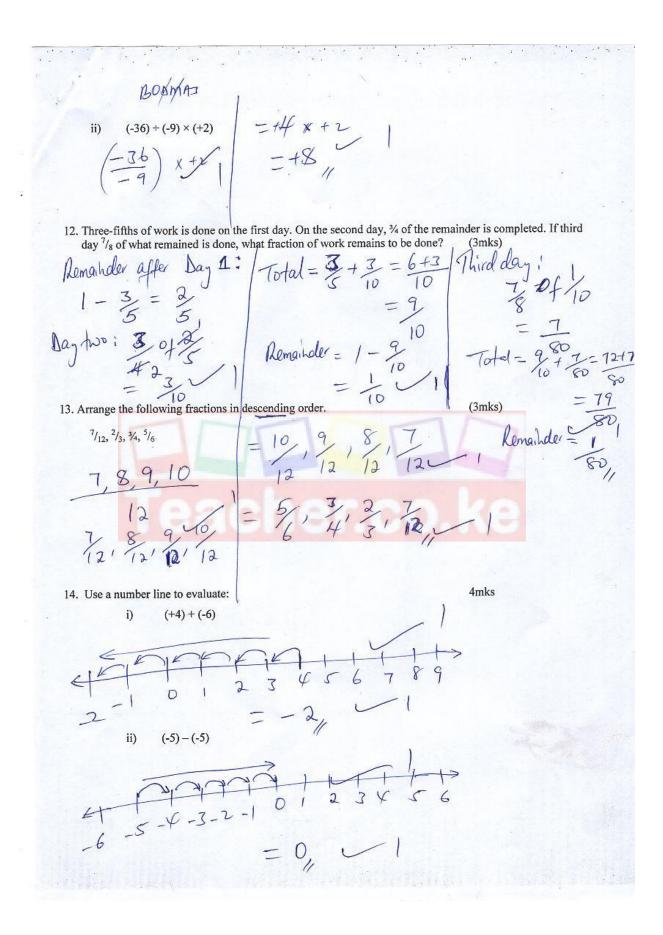
Convert 1 4 into a mixed decimal 10.



(-5) x (-2) x (-4)

$$= -40_{11}$$







,	
15. Evaluate;	3mks
$\left\{ \left(1\frac{1}{4} - \frac{3}{8}\right) \div 2\frac{1}{2} + 1\frac{3}{4} \div 1\frac{1}{4} \right\}$	17x2 + 7xx
Boam As. 1	12 1 1 XX + 7 XX 5
= (7 - 2 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +	=7+7=7+28=35
= (7-22)+(4-	16 20 3
(8)	= 20 = 7
16. Write the 0.12 as fractions in its simp	lest form. 2mks
= 12/3	
400 25	
25	
17. Write the following in standard for	m. (2mks)
i) 32890	
3.2890x104	
ii) 0.00346	
3.46 x 10-3	

18. Find the squares of the following using mathematical tables.

$$= 6.729 \times 1000,000$$

$$= 6.729,000,$$

(2mks)



ii) 0.005643
$$= 3^{2}$$
 $= 31.84 \times \frac{1}{1000000}$ (2mks) $= 5.643 \times \frac{1}{1000}$ $= 0.00003184$, $= 0.00003184$, $= 0.00003184$, $= 0.00003184$, $= 0.00003184$, $= 0.00003184$, $= 0.00003184$, $= 0.00003184$, $= 0.00003184$, $= 0.00003184$, $= 0.00003184$, $= 0.00003184$, $= 0.00003184$, $= 0.00003184$, $= 0.000318$, $= 0.0003184$, $=$