PIVINE EDUCATION CENTRE P.T MTC E.O.T ONE MARKING GUILE.

	THITC ROLL ONE	- 1	
QH.	SOLUTION	MKS	PROFESSIONAL ADVISE
1.	(6÷2) +(4÷2)		Award my for correct method
	(6+4):2	MI	
	10 + 2		Award Al For 5
	5	A	
2.	T 0 t h 47.25		Award my for correct
	The state of the s	2 2	working.
	(+x10)+(1x1)+(5x7)+ \$x70)	wi	Award A) for correct
	(4×10)+(7×10)+(2×10)+(5×102)	A	exponential, of the Municipal
3.	m = +3	81	
	n = -2	B	Award B, for n = -2
4.	>A 2m +50°+50° = 180°	_	
т.	/ 50 × 2m + 100° = 180°	1	Award my for correct working
	50, 2m + 100°-100° = 120°-100°		2
	2m = 80°		
	= #0°		
	m = 40°	A	Award Ay for 40°.
5.	ff f 0 2 H1	-	Award MI & come
-	2 H I five	ml	Award MI for correct working.
	4x5= 20	Aı	Award Al for 20.
_		1	**************************************
5.	0.75 ÷ 0.4 5 × 1	mI	my for correct method.
	15 -(-1)		
	長~10		
	<u> </u>	4	
	18	A	A 1 for 17 or 1.875
+	1.875		
1.	$k^2 - m$		Award my for correct
	KxK - m		substitution.
	$m \times m \times m \times m - m$		
	3x-3x-3x-33	m	Award A1 fr 84.
	*9 x +93 81 -(-3)		1 1 1 1 1 84.
	81+3		
L	84	AI	The state of the s

D	SOLUTION	MPK	PROFESSIONAL ADVISE
8.	P = 9 m n e t P = 9 b, e, a, n 3	B1	Award B, for Correct identification of Set P. MB. Reject with no; -curly brackets -commas Award B, for listing members of set P.
q.	C	c _l	Award Cy for all the arcs l-eading to the Perfendicular line. Award Cy for the perfendicular line.
10.	11: 40 PM +12 00 hrs	BI	B1 for 11:40 p.m.
11.	Blue Red Total H 5 9 HShares rept 16 pens I Share repts # pens I Share repts # pens Total (HX9) pens 36 pens	B1 B1	B ₁ for 4 pens
2.	LCM Smallest No 269 339 LCM + Rem 18+2 20books -CM = 2x3x3 = 18	MI	Award A, for 20 books.

グイ	SOLUTION	MRK	PROFESSIONAL ADVISE
13.	Buying price for each egg. 30 eggs cost sh. 9600 1 egg costs sh. 4600		Award my for correct
9	1-egg costs sh. 320 Profit on 1-egg	m	
	Sh. 5100 -Sh. 320 Sh. 180		Award A, for Sh. 5, 400
	Sh. 180 x30 1800 Sh. 5400 5400	Aı	
4.	1(34+1)-1(4-2)		Award my ifor correct removing of the brackets.
	34 + 1 - 4 + 2 34 - 4 + 1 + 2 24 + 3	MI	Award A, for the expression 24 + 3.
***	Days Workers	'	Award my for correct
5.	Days workers 15 days need 4 workers 1 day need (15x4) worker	cs	working.
	10 days will need (3x4) work	hul	Award Al for Gworkers
	3x2worker	(C) 1000	
6.	7 chairs are reptresented by 18 (#2 cholirs) pictures 7 cholirs	M	Award my for division
	6 pictures 6 pictures will	A	Award Al for Epictures
	represent 42 Chairs.		, ou 172

RH	SOLUTION	fre	* PROFESSIONAL ADVISE
17.	Ugsh. +75000		
	59	M	1 MI for division
	, , , , , , , , , , , , , , , , , , ,		
	Ugsh. 3500		A (-1 2
	:. 1 USD = Ugsh. 3,500	A	AT for sh. 3,500
18.	Capacity = Volume		Award my for correct
	1000 cm3		working
	Volume = Base area x # .		
	Capacity = 1386 cm2 x5000	mi	
	1336 1000 cm3		Award A) for 69.3 litres.
			1 100 69.3 htts.
	100 \$ ch.\$	1	
	6930	1	
	69.3 litres	A	
19	Days of the week	+	Award my
	Sun Mon Tue Wed Thur Fri Sat 5 1 2 3 4 5 6		Award my for correct
	Today + days = Day (mod7)		7
*	4 + 30 = - (mod 7)	MI	
	34 = 4 rem 6 (mod 7	1	Award Al for Satt
	= G(mody)		Saturday.
	since 6 represents Saturda	1	
	. The day will be	A	
	Saturday.	1	
20.	Side of the window		Award By for length of
	100cm - 10cm 90cm		the curtain as 120cm.
	Length of the curtain		
	90cm + Boan	B,	Award R. C.
	trea of the curtain		Award By for area of the curtain as 12,000 cm²
	L X W		, -, -, -, -, -, -, -, -, -, -, -, -, -,
	120cm X 100cm	n	
*	12,000 cm2	81	

		T I ALLEGE I
NE	SOLUTION	WAL PROFESSIONAL ADVISE
21	a) 32y = 17 ten 3 = 15	my Award my for correct method.
	(3 × 4) +(2 × 9) = 17 $\frac{34}{3} = \frac{75}{3}$	my Award my for division.
	3x-1 +2x1 = 17	Award Al for the value
	37 +2 = 17 7 = 5	A1 of 1 as 5.
2	34+2-2 = 17-2	
6)	$\frac{26}{+3+}$ $\frac{1-3}{6-3=3}$	my Award my for correct method.
	H3+five (1+5)-3	
		Award Al for 303 five.
	3 0 3 five 4-1 = 3	Al Accept 3035
22	Common interval	my Award;
1	240 30 2x2x2x3x5	my for prime factorisation
	220 15 4x6x5	
	2 10 15 3 5 15	BI BI for 120 minutes
	5 5 5 120 minutes	BI BI for 120 minutes
7.0	Gominutes = 1 hr	
	1 minute = to hr	my my for division
	120 minutes = (x+20) hr	Will with the state of the stat
	= 1x2hours	, c 2 h
	= 2 hours	Al Al For 2 hours
23	W+7+5+2W+9+2= 47 -27	my Award;
a	3W +23 = 47	my for correct formation
	3W + 23 - 23 = 47-23	
	3w = 24 = 24	
	===	As for 8.
	3w = 24 3w = 24	A
b	Table	mi Award;
-)	2W+9+5	my for correct substitution
	2m+14 30 pupils	A1 for 30
	2x8 + 14	M
cl	Mirinda only Probability	By Award; By tax 15
	W+7 NCE)	1 B1 Tax 15
	8+7 n(ss)	
	15 15 47	B) B) fr 15
	47	4-1

1 SOLUTION	MRX PROFESSIONAL ADVISE
4. 9) H X 6 - 12 0.25	in the common fractions
(#x 6): (12) 2	my for reciprocal
古× + × 上 2	Al Al for 2
b) 12 - 12 ÷ 6 18 ÷ 6	MI Award MI for division
: 12 = 3	Al Amard Al for 3
Sh. 4800 Sh. 45000x Sh. 9600 Sh. 22500	B1 Award; B1 For sh. 9,600
Total Expenditure Sh. 22,500 Sh. 09600	B, for Sh. 49,500
+ sh. 17,400 Sh. 49,500	- My Award;
b) Sh. 49500 +Sh. 00200 Sh. 49,700 Sh. 49,700 Sh. 4970 Sh. 4970	C subtraction)
Sh. 300	At
26 a) Consider the number a 3K-1 = H-K	my my for correct formation of the equation.
3 3 2 3 3 3 3 3 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1	
2k+3k = 15-3k+3k	
15 45/47 C	As for the number which is 3.
K = 3	

BH	SOLUTION	Max	PROFESSIONAL ADVISE
Ы	$8 \leq -2(P-1)$ $8 \leq -2P+2$ $8-2 \leq -2P+2-2$ $6 \leq -2P$ $6 \leq -2P$ $6 \leq -2P$ $6 \leq -2P$ $6 \leq -2P$ $6 \leq -2P$ $6 \leq -3P$ $6 \leq -3P$ $6 \leq -3P$ $6 \leq -3P$ $6 \leq -3P$		Award; no for removing the brackets. At for P = 3 By for the solution set.
27.	Solution set: \(\) -3, -4, -5\(\) 1 kg = 1000g Mumber of this 6.5 kg = \(\left(\frac{65}{10} \times 1000 \right) g \(\frac{1}{1500} \text{pg} \)	81 B1	Amard; By for 6500g my for division
	$\frac{5.5 \text{ kg} = 65009}{\text{Sh.} 34000}$ $\frac{13 \text{ tins}}{13}$ $\frac{102000}{\text{Sh.} 442000}$	AI MI AI	A) for 13 tins m) for multiplication A) for Sh. 442,000
28.	P = A - S.I P = Sh. 315,000 -Sh. 015,000 P = Sh. 300,000	MI	4 for ich. 300,000
	Time = S.I × 100 P × R Time = \$1.45,600 × 100 Time = \$1.45,600 × 100 Time = \$1.45,000 × 100	nı	my for conversion of tyear to months.
	Time = 1 x +2 months 1 x 6 months Time = 6 months.	n. A	Al for 6 months.

9. Consider the last of a watermelon as W. Watermelon Pineapple Total W - sh.2000 W 2(W-sh.2000) Sh.11,000 W + 2(W-sh.2000) = Sh.11,000		Award; my for correct
$W = 2(W-ch\cdot 2000) + 11,000$ $W + 2(W-ch\cdot 2000) = 6h\cdot 11,000$		
W + 2(w-ch.2000) = 6h.11,000	1	formation of the
		2
3N = Sh. 15,000 3N - Gr. 4000 = Sh. 11,000 3N - Sh. 4000 = Sh. 11,000		My for division Ay for 5000
3N = Sh. +5, 800	ml	B) 12 3000
W = sh. 5,000	4	
Cast of a Pineapple		
Sh. 5000 - Sh. 2000	B	
sh. 3000	7	
Fach side of glasses needed Fach side of the window 160 cm Each window	BI	Award; By for glasses on each Side of the window.
150c (5 × 5) glasses 25 glasses	81	by for 25 glasses needed in each window.
Sglasses I window = 25 glasses H windows = (25 x4) glasses 100 glasses	BJ	By for 100 glasses needed in all the four windows
Total cost Sh. 5000 x 100 Sh. 500,000	hi	my for correct
	A	A 1 for sh. 500,00

1	SOLUTION		The Park	PROFESSIONAL ADVISE
)	2p + 40° + 150° +90° 2p + 280° 2p + 280° - 280° 2p		ml	Award; my for correct formation of the equation.
	· P	= 40°	A	41 For P = 40°
p)	3 1 1000	and dates	E	Award; By for 45 candidates
	i repts 12 co	undidate	B1	
	1×40 220 + 120 2 1 20 1 20 1 20 1 20 1 20 1	DIV 3 1 × +35 75 Candidate	B	By for 75 candidates
32				2 diagram
a)	S S S P P S S S S S S S S S S S S S S S	2	13Chr	7cm Sur
P)	Total distance. Hisides	- J		Sch 7cm
	4 × 7cm 28cm	P	76	
	Award; Si the detailed ske ei for arcs headin	ng to the pe	rpen	dicular line (90°)
	LI for 5cm on my for correct	line 80		